

# Metabolic engineering advances and prospects for amin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A seamless and iterative DNA assembly method named PS-Brick and its assisted metabolic engineering for threonine and 1-propanol production. <i>Biotechnology for Biofuels</i> , 2019, 12, 180.	6.2	6
2	Bromination of L-tryptophan in a Fermentative Process With <i>Corynebacterium glutamicum</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 219.	2.0	25
3	Modular metabolic engineering of lysine supply for enhanced production of bacitracin in <i>Bacillus licheniformis</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 8799-8812.	1.7	15
4	Enhancement of Sulfur Conversion Rate in the Production of <i>l</i> -Cysteine by Engineered <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 250-257.	2.4	25
5	Pathway engineering of <i>Escherichia coli</i> for one-step fermentative production of L-theanine from sugars and ethylamine. <i>Metabolic Engineering Communications</i> , 2020, 11, e00151.	1.9	8
6	Rational engineering of <i>Kluyveromyces marxianus</i> to create a chassis for the production of aromatic products. <i>Microbial Cell Factories</i> , 2020, 19, 207.	1.9	28
7	<i>Corynebacterium glutamicum</i> CrtR and Its Orthologs in Actinobacteria: Conserved Function and Application as Genetically Encoded Biosensor for Detection of Geranylgeranyl Pyrophosphate. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5482.	1.8	13
8	Overview on Multienzymatic Cascades for the Production of Non-canonical $\alpha$ -Amino Acids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 887.	2.0	9
9	Fitness of Chassis Cells and Metabolic Pathways for <i>l</i> -Cysteine Overproduction in <i>Escherichia coli</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14928-14937.	2.4	21
10	Fermentative N-Methylantranilate Production by Engineered <i>Corynebacterium glutamicum</i> . <i>Microorganisms</i> , 2020, 8, 866.	1.6	26
11	Development of a <i>Corynebacterium glutamicum</i> bio-factory for self-sufficient transaminase reactions. <i>Green Chemistry</i> , 2020, 22, 4128-4132.	4.6	10
12	Microbial Engineering for Production of <i>N</i> -Functionalized Amino Acids and Amines. <i>Biotechnology Journal</i> , 2020, 15, e1900451.	1.8	32
13	Systematic engineering of branch chain amino acid supply modules for the enhanced production of bacitracin from <i>Bacillus licheniformis</i> . <i>Metabolic Engineering Communications</i> , 2020, 11, e00136.	1.9	13
14	Progress in the metabolic engineering of bio-based lactams and their $\alpha$ -amino acids precursors. <i>Biotechnology Advances</i> , 2020, 43, 107587.	6.0	17
15	Enhanced Bacitracin Production by Systematically Engineering S-Adenosylmethionine Supply Modules in <i>Bacillus licheniformis</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 305.	2.0	18
16	Valorization of Waste Biomass in Fermentative Production of Cellulases: A Review. <i>Waste and Biomass Valorization</i> , 2021, 12, 613-640.	1.8	26
17	Unlocking Nature's Biosynthetic Power—Metabolic Engineering for the Fermentative Production of Chemicals. <i>Angewandte Chemie</i> , 2021, 133, 2288-2308.	1.6	6
18	Unlocking Nature's Biosynthetic Power—Metabolic Engineering for the Fermentative Production of Chemicals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2258-2278.	7.2	16

#	ARTICLE	IF	CITATIONS
19	Improving the L-tyrosine production with application of repeated batch fermentation technology based on a novel centrifuge bioreactor. <i>Food and Bioproducts Processing</i> , 2021, 126, 3-11.	1.8	3
20	Two birds with one stone: Porous poly(ionic liquids) membrane with high efficiency for the separation of amino acids mixture and its antibacterial properties. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 866-874.	5.0	16
21	Recent advances in (chemo)enzymatic cascades for upgrading bio-based resources. <i>Chemical Communications</i> , 2021, 57, 10661-10674.	2.2	28
22	A plug-and-play chemobiocatalytic route for the one-pot controllable synthesis of biobased C4 chemicals from furfural. <i>Green Chemistry</i> , 2021, 23, 8604-8610.	4.6	12
23	Dynamic Co-Cultivation Process of <i>Corynebacterium glutamicum</i> Strains for the Fermentative Production of Riboflavin. <i>Fermentation</i> , 2021, 7, 11.	1.4	14
24	Microbial production of multiple short-chain primary amines via retrobiosynthesis. <i>Nature Communications</i> , 2021, 12, 173.	5.8	17
26	CRISPRi-Library-Guided Target Identification for Engineering Carotenoid Production by <i>Corynebacterium glutamicum</i> . <i>Microorganisms</i> , 2021, 9, 670.	1.6	16
27	Increasing ATP turnover boosts productivity of 2,3-butanediol synthesis in <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2021, 20, 63.	1.9	14
28	Coenzyme Q10 Biosynthesis Established in the Non-Ubiquinone Containing <i>Corynebacterium glutamicum</i> by Metabolic Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 650961.	2.0	12
29	Engineering endogenous l-proline biosynthetic pathway to boost trans-4-hydroxy-l-proline production in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2021, 329, 104-117.	1.9	5
30	Incorporation of alternative amino acids into cyanophycin by different cyanophycin synthetases heterologously expressed in <i>Corynebacterium glutamicum</i> . <i>AMB Express</i> , 2021, 11, 55.	1.4	8
31	Developing a Riboswitch-Mediated Regulatory System for Metabolic Flux Control in Thermophilic <i>Bacillus methanolicus</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 4686.	1.8	6
32	Genomic and Transcriptomic Investigation of the Physiological Response of the Methylophilic <i>Bacillus methanolicus</i> to 5-Aminovalerate. <i>Frontiers in Microbiology</i> , 2021, 12, 664598.	1.5	3
33	Sustainable Production of N-methylphenylalanine by Reductive Methylation of Phenylpyruvate Using Engineered <i>Corynebacterium glutamicum</i> . <i>Microorganisms</i> , 2021, 9, 824.	1.6	12
34	Enhanced Glutamate Synthesis and Export by the Thermotolerant Emerging Industrial Workhorse <i>Bacillus methanolicus</i> in Response to High Osmolarity. <i>Frontiers in Microbiology</i> , 2021, 12, 640980.	1.5	8
35	L-Carnitine Production Through Biosensor-Guided Construction of the <i>Neurospora crassa</i> Biosynthesis Pathway in <i>Escherichia coli</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 671321.	2.0	3
36	Microbial methionine transporters and biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 3919-3929.	1.7	9
37	Highly efficient biosynthesis of l-ornithine from mannitol by using recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , 2021, 327, 124799.	4.8	8

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38	Evolving a New Efficient Mode of Fructose Utilization for Improved Bioproduction in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 669093.	2.0	7
39	Adaptive laboratory evolution accelerated glutarate production by <i>Corynebacterium glutamicum</i> . <i>Microbial Cell Factories</i> , 2021, 20, 97.	1.9	19
40	Metabolic engineering of <i>Escherichia coli</i> for efficient ectoine production. <i>Systems Microbiology and Biomanufacturing</i> , 2021, 1, 444-458.	1.5	9
41	Recent progress in metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of C4, C5, and C6 chemicals. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1291-1307.	1.2	6
42	Recuperative Amino Acids Separation through Cellulose Derivative Membranes with Microporous Polypropylene Fiber Matrix. <i>Membranes</i> , 2021, 11, 429.	1.4	13
43	Evaluation of Heterologous Biosynthetic Pathways for Methanol-Based 5-Aminovalerate Production by Thermophilic <i>Bacillus methanolicus</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 686319.	2.0	10
44	Advances in metabolic engineering of <i>Corynebacterium glutamicum</i> to produce high-value active ingredients for food, feed, human health, and well-being. <i>Essays in Biochemistry</i> , 2021, 65, 197-212.	2.1	71
45	Engineering of microbial cells for L-valine production: challenges and opportunities. <i>Microbial Cell Factories</i> , 2021, 20, 172.	1.9	13
46	Coproduction of 5-Aminovalerate and $\epsilon$ -Valerolactam for the Synthesis of Nylon 5 From L-Lysine in <i>Escherichia coli</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 726126.	2.0	4
47	Kinetic analysis and modeling of L-valine production in fermentation batch from <i>E. coli</i> using glucose, lactose and whey as carbon sources. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021, 31, e00642.	2.1	2
48	Utilization of a Wheat Sidestream for 5-Aminovalerate Production in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 732271.	2.0	12
49	Growth Response and Recovery of <i>Corynebacterium glutamicum</i> Colonies on Single-Cell Level Upon Defined pH Stress Pulses. <i>Frontiers in Microbiology</i> , 2021, 12, 711893.	1.5	12
50	Expanding the lysine industry: biotechnological production of L-lysine and its derivatives. <i>Advances in Applied Microbiology</i> , 2021, 115, 1-33.	1.3	6
51	Fermentative High-Level Production of 5-Hydroxyvaleric Acid by Metabolically Engineered <i>Corynebacterium glutamicum</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2523-2533.	3.2	21
52	Improved Plasmid-Based Inducible and Constitutive Gene Expression in <i>Corynebacterium glutamicum</i> . <i>Microorganisms</i> , 2021, 9, 204.	1.6	15
53	Genome-Reduced <i>Corynebacterium glutamicum</i> Fit for Biotechnological Applications. , 2020, , 95-116.		2
54	Flux Enforcement for Fermentative Production of 5-Aminovalerate and Glutarate by <i>Corynebacterium glutamicum</i> . <i>Catalysts</i> , 2020, 10, 1065.	1.6	18
55	An overview of branched-chain amino acid aminotransferases: functional differences between mitochondrial and cytosolic isozymes in yeast and human. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 8059-8072.	1.7	10

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56	Review of arginase as a promising biocatalyst: characteristics, preparation, applications and future challenges. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 651-667.	5.1	7
58	Metabolic Engineering in <i>Corynebacterium glutamicum</i> . <i>Microbiology Monographs</i> , 2020, , 287-322.	0.3	4
59	Engineering of <i>Corynebacterium glutamicum</i> for high-level $\beta$ -aminobutyric acid production from glycerol by dynamic metabolic control. <i>Metabolic Engineering</i> , 2022, 69, 134-146.	3.6	36
60	A Myo-Inositol-Inducible Expression System for <i>Corynebacterium glutamicum</i> and Its Application. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 746322.	2.0	2
61	Tyrosinase-based production of l-DOPA by <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 9103-9111.	1.7	8
62	Expression of phenylalanine ammonia lyases in <i>Synechocystis</i> sp. PCC 6803 and subsequent improvements of sustainable production of phenylpropanoids. <i>Microbial Cell Factories</i> , 2022, 21, 8.	1.9	13
64	Physiological Responses of Ribosomal Protein S12 K43 Mutants of <i>Corynebacterium glutamicum</i> . <i>Current Microbiology</i> , 2022, 79, 94.	1.0	0
65	Lanthanide-based metal-organic framework materials as bifunctional fluorescence sensors toward acetylacetone and aspartic acid. <i>CrystEngComm</i> , 2022, 24, 2464-2471.	1.3	14
66	Recent advances in the metabolic pathways and microbial production of coenzyme Q. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 58.	1.7	15
67	Metabolic Engineering for Valorization of Agri- and Aqua-Culture Sidestreams for Production of Nitrogenous Compounds by <i>Corynebacterium glutamicum</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 835131.	1.5	11
68	Functional Genomics Uncovers Pleiotropic Role of Rhomboids in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 771968.	1.5	1
69	Engineering precursor and co-factor supply to enhance D-pantothenic acid production in <i>Bacillus megaterium</i> . <i>Bioprocess and Biosystems Engineering</i> , 2022, , 1.	1.7	3
70	Importance of transmembrane helix 4 of l-alanine exporter AlaE in oligomer formation and substrate export activity in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2022, 168, .	0.7	0
71	Production of indole by <i>Corynebacterium glutamicum</i> microbial cell factories for flavor and fragrance applications. <i>Microbial Cell Factories</i> , 2022, 21, 45.	1.9	19
72	Metabolic Engineering of <i>Corynebacterium glutamicum</i> for Sustainable Production of the Aromatic Dicarboxylic Acid Dipicolinic Acid. <i>Microorganisms</i> , 2022, 10, 730.	1.6	14
73	O-Acetyl-L-homoserine production enhanced by pathway strengthening and acetate supplementation in <i>Corynebacterium glutamicum</i> . , 2022, 15, 27.		8
74	<i>Porphyromonas gingivalis</i> Induces Increases in Branched-Chain Amino Acid Levels and Exacerbates Liver Injury Through livh/livk. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 776996.	1.8	1
75	Biotechnological production of specialty aromatic and aromatic-derivative compounds. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 80.	1.7	7

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76	Directed Evolution and Rational Design of Mechanosensitive Channel MscCG2 for Improved Glutamate Excretion Efficiency. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 15660-15669.	2.4	2
77	Construction of an IS-Free <i>Corynebacterium glutamicum</i> ATCC 13032 Chassis Strain and Random Mutagenesis Using the Endogenous IS <sub>Cg1</sub> Transposase. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 751334.	2.0	5
80	Efficient cell factories for the production of N-methylated amino acids and for methanol-based amino acid production. <i>Microbial Biotechnology</i> , 2022, 15, 2145-2159.	2.0	9
81	Rational Engineering of Non-Ubiquinone Containing <i>Corynebacterium glutamicum</i> for Enhanced Coenzyme Q10 Production. <i>Metabolites</i> , 2022, 12, 428.	1.3	4
82	Identification and Molecular Characterization of the Operon Required for L-Asparagine Utilization in <i>Corynebacterium glutamicum</i> . <i>Microorganisms</i> , 2022, 10, 1002.	1.6	1
83	Fermentative Indole Production via Bacterial Tryptophan Synthase Alpha Subunit and Plant Indole-3-Glycerol Phosphate Lyase Enzymes. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5634-5645.	2.4	14
84	l-Serine Biosensor-Controlled Fermentative Production of l-Tryptophan Derivatives by <i>Corynebacterium glutamicum</i> . <i>Biology</i> , 2022, 11, 744.	1.3	9
85	The Expression Modulation of the Key Enzyme Acc for Highly Efficient 3-Hydroxypropionic Acid Production. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	5
86	Engineered <i>Corynebacterium glutamicum</i> as the Platform for the Production of Aromatic Aldehydes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	2.0	14
87	Dynamic Regulation of Transporter Expression to Increase L-Threonine Production Using L-Threonine Biosensors. <i>Fermentation</i> , 2022, 8, 250.	1.4	3
88	Advances in microbial production of feed amino acid. <i>Advances in Applied Microbiology</i> , 2022, , 1-33.	1.3	3
89	Industrial production of L-lysine in <i>Corynebacterium glutamicum</i> : Progress and prospects. <i>Microbiological Research</i> , 2022, 262, 127101.	2.5	13
90	Rational Metabolic Engineering Combined with Biosensor-Mediated Adaptive Laboratory Evolution for l-Cysteine Overproduction from Glycerol in <i>Escherichia coli</i> . <i>Fermentation</i> , 2022, 8, 299.	1.4	4
91	Dynamic control of 4-hydroxyisoleucine biosynthesis by multi-biosensor in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 5105-5121.	1.7	7
93	Efficient and scalable synthesis of 1,5-diamino-2-hydroxy-pentane from l-lysine via cascade catalysis using engineered <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2022, 21, .	1.9	2
94	On the flexibility of the cellular amination network in <i>E. coli</i> . <i>ELife</i> , 0, 11, .	2.8	7
95	Transcriptome profiles of high-lysine adaptation reveal insights into osmotic stress response in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	2
96	Can microbes be harnessed to reduce atmospheric loads of greenhouse gases?. <i>Environmental Microbiology</i> , 2023, 25, 17-25.	1.8	3

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97	Design of a genetically encoded biosensor to establish a high-throughput screening platform for L-cysteine overproduction. <i>Metabolic Engineering</i> , 2022, 73, 144-157.	3.6	24
98	Physiological, Biochemical, and Structural Bioinformatic Analysis of the Multiple Inositol Dehydrogenases from <i>Corynebacterium glutamicum</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	4
99	Microbial Production of Amines and Amino Acids by Fermentation. <i>Microbiology Monographs</i> , 2022, , 47-80.	0.3	0
100	A synthetic biology approach to study carotenoid production in <i>Corynebacterium glutamicum</i> : Read-out by a genetically encoded biosensor combined with perturbing native gene expression by CRISPRi. <i>Methods in Enzymology</i> , 2022, , 383-419.	0.4	0
101	Bioprocess Engineering, Transcriptome, and Intermediate Metabolite Analysis of L-Serine High-Yielding <i>Escherichia coli</i> W3110. <i>Microorganisms</i> , 2022, 10, 1927.	1.6	1
102	Substrate specificity of branched chain amino acid aminotransferases: The substitution of glycine to serine in the active site determines the substrate specificity for L±-ketoglutarate. <i>Frontiers in Catalysis</i> , 0, 2, .	1.8	0
103	Genetically encoded ATP and NAD(P)H biosensors: potential tools in metabolic engineering. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 1211-1225.	5.1	2
104	A manually curated compendium of expression profiles for the microbial cell factory <i>Corynebacterium glutamicum</i> . <i>Scientific Data</i> , 2022, 9, .	2.4	3
105	Microbial chassis design and engineering for production of amino acids used in food industry. <i>Systems Microbiology and Biomanufacturing</i> , 2023, 3, 28-48.	1.5	4
106	Photobiocatalytic Cascades for Acylating Nâ€Heterocycles with Natural Amino Acids via the 2â€Keto Acids. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	1
107	Functional food additives/ingredients production by engineered <i>Corynebacterium glutamicum</i> . <i>Systems Microbiology and Biomanufacturing</i> , 2023, 3, 110-121.	1.5	7
109	Metabolic Engineering of <i>Bacillus megaterium</i> for the Production of Î²-alanine. <i>Biotechnology and Bioprocess Engineering</i> , 2022, 27, 909-920.	1.4	4
110	Functional Properties of Pineapple Plant Stem for Enhanced Glucose Recovery in Amino Acids Production. <i>Energies</i> , 2022, 15, 9155.	1.6	0
111	Metabolic engineering of <i>Corynebacterium glutamicum</i> for L-tyrosine production from glucose and xylose. <i>Journal of Biotechnology</i> , 2023, 363, 8-16.	1.9	4
112	Metabolic engineering of <i>Corynebacterium glutamicum</i> for acetate-based itaconic acid production. , 2022, 15, .		5
114	Metabolic engineering for sustainability and health. <i>Trends in Biotechnology</i> , 2023, 41, 425-451.	4.9	17
115	Enhanced production of d-pantothenic acid in <i>Corynebacterium glutamicum</i> using an efficient CRISPRâ€Cpf1 genome editing method. <i>Microbial Cell Factories</i> , 2023, 22, .	1.9	5
116	Differential gut microbiota and microbial metabolites in adolescents with depression. <i>Asian Journal of Psychiatry</i> , 2023, 83, 103496.	0.9	2

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117	Improving growth properties of <i>Corynebacterium glutamicum</i> by implementing an iron-responsive protocatechuate biosynthesis. <i>Microbial Biotechnology</i> , 0, .	2.0	1
118	Production of L-serine and its derivative L-cysteine from renewable feedstocks using <i>Corynebacterium glutamicum</i> : advances and perspectives. <i>Critical Reviews in Biotechnology</i> , 2024, 44, 448-461.	5.1	3
119	Recent progress in the synthesis of advanced biofuel and bioproducts. <i>Current Opinion in Biotechnology</i> , 2023, 80, 102913.	3.3	18
120	Microbial synthesis of bacitracin: Recent progress, challenges, and prospects. <i>Synthetic and Systems Biotechnology</i> , 2023, 8, 314-322.	1.8	6
122	Effect of Ammonium Sulfate on the Solubility of $\beta$ -Form and $\alpha$ -Form $\alpha$ -Glutamic Acid in Water and Actual Fermentation Mother Liquor from 278.15 to 333.15 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2023, 62, 3724-3732.	1.8	0
123	From Aquaculture to Aquaculture: Production of the Fish Feed Additive Astaxanthin by <i>Corynebacterium glutamicum</i> Using Aquaculture Sidestream. <i>Molecules</i> , 2023, 28, 1996.	1.7	6
124	Catalytic conversion of biomass-derived compounds to various amino acids: status and perspectives. <i>Frontiers of Chemical Science and Engineering</i> , 2023, 17, 817-829.	2.3	3
125	Dynamic and balanced regulation of the thrABC operon gene for efficient synthesis of L-threonine. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 11, .	2.0	3
126	Recent Advances in the Hydroxylation of Amino Acids and Its Derivatives. <i>Fermentation</i> , 2023, 9, 285.	1.4	3
127	Reprogramming the sulfur recycling network to improve $\alpha$ -cysteine production in <i>Corynebacterium glutamicum</i> . <i>Green Chemistry</i> , 2023, 25, 3152-3165.	4.6	8
128	Comparative metabolomics of root-tips reveals distinct metabolic pathways conferring drought tolerance in contrasting genotypes of rice. <i>BMC Genomics</i> , 2023, 24, .	1.2	4
130	Identification and engineering efflux transporters for improved L-homoserine production in <i>Escherichia coli</i> . <i>Journal of Applied Microbiology</i> , 2023, 134, .	1.4	2
133	<i>Rhodotorula</i> sp. as a cell factory for production of valuable biomolecules. <i>Advances in Applied Microbiology</i> , 2023, , .	1.3	0
159	Microbial Production of Amine Chemicals from Sustainable Substrates. <i>Biofuels and Biorefineries</i> , 2023, , 189-248.	0.5	0