Wanmeng Mu

List of Publications by Year
in descending order

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236	6,006	76326	138484
papers	citations	40 h-index	58 g-index

239	239	239	3629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent research on 3-phenyllactic acid, a broad-spectrum antimicrobial compound. Applied Microbiology and Biotechnology, 2012, 95, 1155-1163.	3.6	143
2	Recent advances on applications and biotechnological production of d-psicose. Applied Microbiology and Biotechnology, 2012, 94, 1461-1467.	3.6	127
3	Enzymatic approaches to rare sugar production. Biotechnology Advances, 2017, 35, 267-274.	11.7	124
4	Characterization and antioxidant activity of Ginkgo biloba exocarp polysaccharides. Carbohydrate Polymers, 2012, 87, 40-45.	10.2	119
5	Cloning, Expression, and Characterization of a <scp>d</scp>-Psicose 3-Epimerase from Clostridium cellulolyticum H10. Journal of Agricultural and Food Chemistry, 2011, 59, 7785-7792.	5.2	114
6	An overview of biological production of L-theanine. Biotechnology Advances, 2015, 33, 335-342.	11.7	114
7	Characterization of d-tagatose-3-epimerase from Rhodobacter sphaeroides that converts d-fructose into d-psicose. Biotechnology Letters, 2009, 31, 857-862.	2.2	108
8	Recent advances in d -allulose: Physiological functionalities, applications, and biological production. Trends in Food Science and Technology, 2016, 54, 127-137.	15.1	92
9	Reduction of acrylamide level through blanching with treatment by an extremely thermostable l-asparaginase during French fries processing. Extremophiles, 2015, 19, 841-851.	2.3	87
10	A d-psicose 3-epimerase with neutral pH optimum from Clostridium bolteae for d-psicose production: cloning, expression, purification, and characterization. Applied Microbiology and Biotechnology, 2014, 98, 717-725.	3.6	80
11	Protein Homeostasis Imposes a Barrier on Functional Integration of Horizontally Transferred Genes in Bacteria. PLoS Genetics, 2015, 11, e1005612.	3.5	79
12	Biosynthesis of levan by levansucrase from Bacillus methylotrophicus SK 21.002. Carbohydrate Polymers, 2014, 101, 975-981.	10.2	75
13	Optimization of culture medium for the production of phenyllactic acid by Lactobacillus sp. SK007. Bioresource Technology, 2009, 100, 1366-1370.	9.6	74
14	Characterization of a Metal-Dependent <scp>d</scp>-Psicose 3-Epimerase from a Novel Strain, Desmospora sp. 8437. Journal of Agricultural and Food Chemistry, 2013, 61, 11468-11476.	5.2	74
15	Characterization of a Novel Metal-Dependent D-Psicose 3-Epimerase from Clostridium scindens 35704. PLoS ONE, 2013, 8, e62987.	2.5	70
16	Characterization of a d-psicose 3-epimerase from Dorea sp. CAG317 with an acidic pH optimum and a high specific activity. Journal of Molecular Catalysis B: Enzymatic, 2015, 120, 68-74.	1.8	69
17	Recent advances in the applications and biotechnological production of mannitol. Journal of Functional Foods, 2017, 36, 404-409.	3.4	66
18	3-Phenyllactic acid production by substrate feeding and pH-control in fed-batch fermentation of Lactobacillus sp. SK007. Bioresource Technology, 2009, 100, 5226-5229.	9.6	64

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19	Characterization of a d-psicose-producing enzyme, d-psicose 3-epimerase, from Clostridium sp.. Biotechnology Letters, 2013, 35, 1481-1486.	2.2	64
20	Biochemical characterization of an extremely thermostable l-asparaginase from Thermococcus gammatolerans EJ3. Journal of Molecular Catalysis B: Enzymatic, 2014, 109, 122-129.	1.8	62
21	Efficient biosynthesis of levan from sucrose by a novel levansucrase from Brenneria goodwinii. Carbohydrate Polymers, 2017, 157, 1732-1740.	10.2	62
22	Biochemical characterization of a <scp>d</scp>â€psicose 3â€epimerase from Treponema primitia<scp>ZAS</scp>â€1 and its application on enzymatic production of <scp>d</scp>â€psicose. Journal of the Science of Food and Agriculture, 2016, 96, 49-56.	3.5	60
23	Recent research progress on microbial l-asparaginases. Applied Microbiology and Biotechnology, 2015, 99, 1069-1079.	3.6	58
24	Recent research on the physiological functions, applications, and biotechnological production of d-allose. Applied Microbiology and Biotechnology, 2018, 102, 4269-4278.	3.6	58
25	Purification and Characterization of Î³-Glutamyltranspeptidase from Bacillus subtilis SK11.004. Journal of Agricultural and Food Chemistry, 2011, 59, 6233-6238.	5.2	57
26	Recent advances on 2â€²-fucosyllactose: physiological properties, applications, and production approaches. Critical Reviews in Food Science and Nutrition, 2022, 62, 2083-2092.	10.3	56
27	Recent novel applications of levansucrases. Applied Microbiology and Biotechnology, 2015, 99, 6959-6969.	3.6	55
28	Biotechnical production of trehalose through the trehalose synthase pathway: current status and future prospects. Applied Microbiology and Biotechnology, 2018, 102, 2965-2976.	3.6	55
29	Biosynthesis of levan from sucrose using a thermostable levansucrase from Lactobacillus reuteri LTH5448. International Journal of Biological Macromolecules, 2018, 113, 29-37.	7.5	55
30	An L-arabinose isomerase from Acidothermus cellulolytics ATCC 43068: cloning, expression, purification, and characterization. Applied Microbiology and Biotechnology, 2010, 86, 1089-1097.	3.6	54
31	Purification and Partial Characterization of Lactobacillus Species SK007 Lactate Dehydrogenase (LDH) Catalyzing Phenylpyruvic Acid (PPA) Conversion into Phenyllactic Acid (PLA). Journal of Agricultural and Food Chemistry, 2008, 56, 2392-2399.	5.2	52
32	Amylosucrase as a transglucosylation tool: From molecular features to bioengineering applications. Biotechnology Advances, 2018, 36, 1540-1552.	11.7	51
33	Inulin and its enzymatic production by inulosucrase: Characteristics, structural features, molecular modifications and applications. Biotechnology Advances, 2019, 37, 306-318.	11.7	49
34	Development of efficient enzymatic production of theanine by Î³-glutamyltranspeptidase from a newly isolated strain of Bacillus subtilis, SK11.004. Journal of the Science of Food and Agriculture, 2010, 90, 2563-2567.	3.5	47
35	Current studies on sucrose isomerase and biological isomaltulose production using sucrose isomerase. Applied Microbiology and Biotechnology, 2014, 98, 6569-6582.	3.6	47
36	Physicochemical properties of a high molecular weight levan from Brenneria sp. EniD312. International Journal of Biological Macromolecules, 2018, 109, 810-818.	7.5	47

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37	Mannitol: physiological functionalities, determination methods, biotechnological production, and applications. Applied Microbiology and Biotechnology, 2020, 104, 6941-6951.	3.6	47
38	Metabolic Engineering of Escherichia coli for Lacto-N-triose II Production with High Productivity. Journal of Agricultural and Food Chemistry, 2021, 69, 3702-3711.	5.2	46
39	Improving the Thermostability and Catalytic Efficiency of the <scp>d</scp>-Psicose 3-Epimerase from Clostridium bolteae ATCC BAA-613 Using Site-Directed Mutagenesis. Journal of Agricultural and Food Chemistry, 2016, 64, 3386-3393.	5.2	45
40	Recent advances in Levansucrase and Inulosucrase: evolution, characteristics, and application. Critical Reviews in Food Science and Nutrition, 2019, 59, 3630-3647.	10.3	44
41	Recent progress on biological production of Î±-arbutin. Applied Microbiology and Biotechnology, 2018, 102, 8145-8152.	3.6	43
42	l -arabinose isomerases: Characteristics, modification, and application. Trends in Food Science and Technology, 2018, 78, 25-33.	15.1	42
43	Characterization of a d-tagatose 3-epimerase from Caballeronia fortuita and its application in rare sugar production. International Journal of Biological Macromolecules, 2019, 138, 536-545.	7.5	41
44	Thermostable <scp>L</scp>â€arabinose isomerase from Bacillus stearothermophilus IAM 11001 for <scp>D</scp>â€tagatose production: gene cloning, purification and characterisation. Journal of the Science of Food and Agriculture, 2010, 90, 1327-1333.	3.5	39
45	Identification of a Potent Enzyme for the Detoxification of Zearalenone. Journal of Agricultural and Food Chemistry, 2020, 68, 376-383.	5.2	39
46	Current studies on physiological functions and biological production of lactosucrose. Applied Microbiology and Biotechnology, 2013, 97, 7073-7080.	3.6	38
47	From fructans to difructose dianhydrides. Applied Microbiology and Biotechnology, 2015, 99, 175-188.	3.6	38
48	Thermostability Improvement of the <scp>d</scp>-Allulose 3-Epimerase from Dorea sp. CAG317 by Site-Directed Mutagenesis at the Interface Regions. Journal of Agricultural and Food Chemistry, 2018, 66, 5593-5601.	5.2	37
49	An overview on biological production of functional lactose derivatives. Applied Microbiology and Biotechnology, 2019, 103, 3683-3691.	3.6	37
50	Construction of a Food Grade Recombinant Bacillus subtilis Based on Replicative Plasmids with an Auxotrophic Marker for Biotransformation of <scp>d</scp>-Fructose to <scp>d</scp>-Allulose. Journal of Agricultural and Food Chemistry, 2016, 64, 3243-3250.	5.2	36
51	Current research on cellobiose 2-epimerase: Enzymatic properties, mechanistic insights, and potential applications in the dairy industry. Trends in Food Science and Technology, 2018, 82, 167-176.	15.1	36
52	Purification, preliminary structural characterization and inÂvitro antioxidant activity of polysaccharides from Acanthus ilicifolius. LWT - Food Science and Technology, 2014, 56, 9-14.	5.2	35
53	Overview of strategies for developing high thermostability industrial enzymes: Discovery, mechanism, modification and challenges. Critical Reviews in Food Science and Nutrition, 2023, 63, 2057-2073.	10.3	35
54	Food-Grade Expression of <scp>d</scp>-Psicose 3-Epimerase with Tandem Repeat Genes in Bacillus subtilis. Journal of Agricultural and Food Chemistry, 2016, 64, 5701-5707.	5.2	33

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55	Atmospheric and room temperature plasma (ARTP) mutagenesis enables xylitol over-production with yeast Candida tropicalis. Journal of Biotechnology, 2019, 296, 7-13.	3.8	33
56	Pathway Optimization of 2â€²-Fucosyllactose Production in Engineered Escherichia coli. Journal of Agricultural and Food Chemistry, 2021, 69, 1567-1577.	5.2	33
57	D-allulose, a versatile rare sugar: recent biotechnological advances and challenges. Critical Reviews in Food Science and Nutrition, 2023, 63, 5661-5679.	10.3	33
58	Purification and characterization of inulin fructotransferase (DFA III-forming) from Arthrobacter aurescens SK 8.001. Bioresource Technology, 2011, 102, 1757-1764.	9.6	32
59	Semi-rational design and molecular dynamics simulations study of the thermostability enhancement of cellobiose 2-epimerases. International Journal of Biological Macromolecules, 2020, 154, 1356-1365.	7.5	32
60	In-depth biochemical identification of a novel methyl parathion hydrolase from Azohydromonas australica and its high effectiveness in the degradation of various organophosphorus pesticides. Bioresource Technology, 2021, 323, 124641.	9.6	32
61	Bioconversion of Phenylpyruvate to Phenyllactate: Gene Cloning, Expression, and Enzymatic Characterization of d- and l1-Lactate Dehydrogenases from Lactobacillus plantarum SK002. Applied Biochemistry and Biotechnology, 2010, 162, 242-251.	2.9	31
62	Isomerases for biotransformation of D-hexoses. Applied Microbiology and Biotechnology, 2015, 99, 6571-6584.	3.6	31
63	Sugar alcohols derived from lactose: lactitol, galactitol, and sorbitol. Applied Microbiology and Biotechnology, 2020, 104, 9487-9495.	3.6	31
64	Production of 4-hydroxyphenyllactic acid by Lactobacillus sp. SK007 fermentation. Journal of Bioscience and Bioengineering, 2010, 109, 369-371.	2.2	30
65	Biochemical characterization of a thermostable l-arabinose isomerase from a thermoacidophilic bacterium, Alicyclobacillus hesperidum URH17-3-68. Journal of Molecular Catalysis B: Enzymatic, 2014, 102, 120-126.	1.8	30
66	An overview of the biological production of 1-deoxynojirimycin: current status and future perspective. Applied Microbiology and Biotechnology, 2019, 103, 9335-9344.	3.6	30
67	Computer-Aided Targeted Mutagenesis of Thermoclostridium caenicola <scp>d</scp>-Allulose 3-Epimerase for Improved Thermostability. Journal of Agricultural and Food Chemistry, 2022, 70, 1943-1951.	5.2	30
68	Recent studies on the biological production of D-mannose. Applied Microbiology and Biotechnology, 2019, 103, 8753-8761.	3.6	29
69	Lactic acid bacteria-derived Î±-glucans: From enzymatic synthesis to miscellaneous applications. Biotechnology Advances, 2021, 47, 107708.	11.7	28
70	Human Milk Oligosaccharides: The New Gold Standard for Premium Infant Formula. Journal of Agricultural and Food Chemistry, 2022, 70, 2061-2063.	5.2	28
71	Characterization of d-lactate dehydrogenase from Pediococcus acidilactici that converts phenylpyruvic acid into phenyllactic acid. Biotechnology Letters, 2012, 34, 907-911.	2.2	27
72	Recent advances on physiological functions and biotechnological production of epilactose. Applied Microbiology and Biotechnology, 2013, 97, 1821-1827.	3.6	27

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73	Hidden Reaction: Mesophilic Cellobiose 2-Epimerases Produce Lactulose. Journal of Agricultural and Food Chemistry, 2017, 65, 2530-2539.	5.2	27
74	Biosynthesis of inulin from sucrose using inulosucrase from Lactobacillus gasseri DSM 20604. International Journal of Biological Macromolecules, 2018, 109, 1209-1218.	7.5	27
75	Characterization of a thermostable glucose isomerase with an acidic pH optimum from Acidothermus cellulolyticus. Food Research International, 2012, 47, 364-367.	6.2	26
76	Characterisation of a novel cellobiose 2â€epimerase from thermophilic Caldicellulosiruptor obsidiansis for lactulose production. Journal of the Science of Food and Agriculture, 2017, 97, 3095-3105.	3.5	26
77	d-lyxose isomerase and its application for functional sugar production. Applied Microbiology and Biotechnology, 2018, 102, 2051-2062.	3.6	26
78	Preparation of a novel water-soluble gel from Erwinia amylovora levan. International Journal of Biological Macromolecules, 2019, 122, 469-478.	7.5	26
79	3-Phenyllactic acid production in milk by SK25 during laboratory fermentation process. Journal of Dairy Science, 2015, 98, 813-817.	3.4	25
80	Production of <scp>d</scp>-Allulose with <scp>d</scp>-Psicose 3-Epimerase Expressed and Displayed on the Surface of Bacillus subtilis Spores. Journal of Agricultural and Food Chemistry, 2016, 64, 7201-7207.	5.2	25
81	l-Rhamnose isomerase and its use for biotechnological production of rare sugars. Applied Microbiology and Biotechnology, 2016, 100, 2985-2992.	3.6	25
82	Identification of an Î±-(1,4)-Glucan-Synthesizing Amylosucrase from Cellulomonas carboniz T26. Journal of Agricultural and Food Chemistry, 2017, 65, 2110-2119.	5.2	25
83	Highly efficient biosynthesis of Î±-arbutin from hydroquinone by an amylosucrase from Cellulomonas carboniz. Process Biochemistry, 2018, 68, 93-99.	3.7	25
84	Enzymatic production of d-3-phenyllactic acid by Pediococcus pentosaceus d-lactate dehydrogenase with NADH regeneration by Ogataea parapolymorpha formate dehydrogenase. Biotechnology Letters, 2014, 36, 627-631.	2.2	24
85	Microbial phospholipase D: Identification, modification and application. Trends in Food Science and Technology, 2020, 96, 145-156.	15.1	24
86	Combinatorial Modular Pathway Engineering for Guanosine 5â€²-Diphosphate-<scp>l</scp>-fucose Production in Recombinant Escherichia coli. Journal of Agricultural and Food Chemistry, 2020, 68, 5668-5675.	5.2	24
87	Microbial production, molecular modification, and practical application of l-Asparaginase: A review. International Journal of Biological Macromolecules, 2021, 186, 975-983.	7.5	24
88	Characterization of<scp>D</scp>-Lactate Dehydrogenase Producing<scp>D</scp>-3-Phenyllactic Acid fromPediococcus pentosaceus. Bioscience, Biotechnology and Biochemistry, 2012, 76, 853-855.	1.3	23
89	Efficient Biosynthesis of Lactosucrose from Sucrose and Lactose by the Purified Recombinant Levansucrase from Leuconostoc mesenteroides B-512 FMC. Journal of Agricultural and Food Chemistry, 2015, 63, 9755-9763.	5.2	23
90	Metabolic Engineering of Escherichia coli for Efficient Biosynthesis of Lacto-N-tetraose Using a Novel Î²-1,3-Galactosyltransferase from Pseudogulbenkiania ferrooxidans. Journal of Agricultural and Food Chemistry, 2021, 69, 11342-11349.	5.2	23

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91	Efficient Production of 2â€²-Fucosyllactose from <scp>l</scp>-Fucose via Self-Assembling Multienzyme Complexes in Engineered Escherichia coli. ACS Synthetic Biology, 2021, 10, 2488-2498.	3.8	23
92	Efficient control of acrylamide in French fries by an extraordinarily active and thermo-stable l-asparaginase: A lab-scale study. Food Chemistry, 2021, 360, 130046.	8.2	23
93	Production of 3-phenyllactic acid and 4-hydroxyphenyllactic acid by Pediococcus acidilactici DSM 20284 fermentation. European Food Research and Technology, 2012, 235, 581-585.	3.3	22
94	Enzymatic Production of Melibiose from Raffinose by the Levansucrase from Leuconostoc mesenteroides B-512 FMC. Journal of Agricultural and Food Chemistry, 2017, 65, 3910-3918.	5.2	22
95	Sucrose isomers as alternative sweeteners: properties, production, and applications. Applied Microbiology and Biotechnology, 2019, 103, 8677-8687.	3.6	22
96	Î±-l-Fucosidases and their applications for the production of fucosylated human milk oligosaccharides. Applied Microbiology and Biotechnology, 2020, 104, 5619-5631.	3.6	22
97	Production of <scp>d</scp>â€allulose from <scp>d</scp>â€glucose by Escherichia coli transformant cells coâ€expressing <scp>d</scp>â€glucose isomerase and <scp>d</scp>â€psicose 3â€epimerase genes. Journal of the Science of Food and Agriculture, 2017, 97, 3420-3426.	3.5	21
98	Production of Mannitol from a High Concentration of Glucose by Candida parapsilosis SK26.001. Applied Biochemistry and Biotechnology, 2017, 181, 391-406.	2.9	21
99	Characterization of a novel d-arabinose isomerase from Thermanaeromonas toyohensis and its application for the production of d-ribulose and l-fuculose. Enzyme and Microbial Technology, 2019, 131, 109427.	3.2	21
100	Characterization of a novel d-lyxose isomerase from Thermoflavimicrobium dichotomicum and its application for D-mannose production. Process Biochemistry, 2019, 83, 131-136.	3.7	21
101	Promising properties of a formate dehydrogenase from a methanol-assimilating yeast Ogataea parapolymorpha DL-1 in His-tagged form. Applied Microbiology and Biotechnology, 2014, 98, 1621-1630.	3.6	20
102	Biochemical characterization of a highly thermostable amylosucrase from Truepera radiovictrix DSM 17093. International Journal of Biological Macromolecules, 2018, 116, 744-752.	7.5	20
103	Biosynthesis of lactosylfructoside by an intracellular levansucrase from Bacillus methylotrophicus SK 21.002. Carbohydrate Research, 2015, 401, 122-126.	2.3	19
104	Characterization of an epilactose-producing cellobiose 2-epimerase from Thermoanaerobacterium saccharolyticum. Journal of Molecular Catalysis B: Enzymatic, 2015, 116, 39-44.	1.8	19
105	Engineering of Alicyclobacillus hesperidum l-Arabinose Isomerase for Improved Catalytic Activity and Reduced pH Optimum Using Random and Site-Directed Mutagenesis. Applied Biochemistry and Biotechnology, 2015, 177, 1480-1492.	2.9	19
106	Properties of a novel polydatinâ€Î²â€<scp>d</scp>â€glucosidase from Aspergillus niger <scp>SK34</scp>.002 and its application in enzymatic preparation of resveratrol. Journal of the Science of Food and Agriculture, 2016, 96, 2588-2595.	3.5	19
107	Characterization of a novel thermostable l-rhamnose isomerase from Thermobacillus composti KWC4 and its application for production of d-allose. Process Biochemistry, 2017, 53, 153-161.	3.7	19
108	Preparation, characterization and application of levan/montmorillonite biocomposite and levan/BSA nanoparticle. Carbohydrate Polymers, 2020, 234, 115921.	10.2	19

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109	Physiological effects, biosynthesis, and derivatization of key human milk tetrasaccharides, lacto-N-tetraose, and lacto-N-neotetraose. Critical Reviews in Biotechnology, 2021, , 1-19.	9.0	19
110	High-Level De Novo Biosynthesis of 2â€²-Fucosyllactose by Metabolically Engineered Escherichia coli. Journal of Agricultural and Food Chemistry, 2022, 70, 9017-9025.	5.2	19
111	Characterization of ribose-5-phosphate isomerase converting d-psicose to d-allose from Thermotoga lettingae TMO. Biotechnology Letters, 2013, 35, 719-724.	2.2	18
112	Construction of an enzymatic route using a food-grade recombinant Bacillus subtilis for the production and purification of epilactose from lactose. Journal of Dairy Science, 2018, 101, 1872-1882.	3.4	18
113	Characterization of a thermostable recombinant <scp>l</scp>â€rhamnose isomerase from Caldicellulosiruptor obsidiansis OB47 and its application for the production of <scp>l</scp>â€fructose and <scp>l</scp>â€rhamnulose. Journal of the Science of Food and Agriculture, 2018, 98, 2184-2193.	3.5	18
114	Insights into hydrolysis versus transfructosylation: Mutagenesis studies of a novel levansucrase from Brenneria sp. EniD312. International Journal of Biological Macromolecules, 2018, 116, 335-345.	7.5	18
115	A review on selective l-fucose/d-arabinose isomerases for biocatalytic production of l-fuculose/d-ribulose. International Journal of Biological Macromolecules, 2021, 168, 558-571.	7.5	18
116	Enzymatic hydrolysis of inulin in a bioreactor coupled with an ultrafiltration membrane. Desalination, 2012, 284, 309-315.	8.2	17
117	Efficient biotransformation of d-fructose to d-mannose by a thermostable d-lyxose isomerase from Thermosediminibacter oceani. Process Biochemistry, 2016, 51, 2026-2033.	3.7	17
118	Improving Thermostability and Catalytic Behavior of <scp>l</scp>-Rhamnose Isomerase from Caldicellulosiruptor obsidiansis OB47 toward <scp>d</scp>-Allulose by Site-Directed Mutagenesis. Journal of Agricultural and Food Chemistry, 2018, 66, 12017-12024.	5.2	17
119	Isomerases and epimerases for biotransformation of pentoses. Applied Microbiology and Biotechnology, 2018, 102, 7283-7292.	3.6	17
120	Purification and characterization of an intracellular Î±-l-rhamnosidase from a newly isolated strain, Alternaria alternata SK37.001. Food Chemistry, 2018, 269, 63-69.	8.2	17
121	An overview of levan-degrading enzyme from microbes. Applied Microbiology and Biotechnology, 2019, 103, 7891-7902.	3.6	17
122	Identification of a Recombinant Inulin Fructotransferase (Difructose Dianhydride III Forming) from Arthrobacter sp. 161MFSha2.1 with High Specific Activity and Remarkable Thermostability. Journal of Agricultural and Food Chemistry, 2015, 63, 3509-3515.	5.2	16
123	Simulation-guided enzyme discovery: A new microbial source of cellobiose 2-epimerase. International Journal of Biological Macromolecules, 2019, 139, 1002-1008.	7.5	16
124	Recent development of phenyllactic acid: physicochemical properties, biotechnological production strategies and applications. Critical Reviews in Biotechnology, 2023, 43, 293-308.	9.0	16
125	Pathway Optimization and Uridine 5â€²-Triphosphate Regeneration for Enhancing Lacto-N-Tetraose Biosynthesis in Engineered Escherichia coli. Journal of Agricultural and Food Chemistry, 2022, 70, 7727-7735.	5.2	16
126	Recent advances on biological difructose anhydride III production using inulase II from inulin. Applied Microbiology and Biotechnology, 2011, 92, 457-465.	3.6	15

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127	Cloning and extracellular expression of inulin fructotransferase from Arthrobacter aurescens SK 8.001 in E. coli. Journal of the Science of Food and Agriculture, 2011, 91, 2715-2721.	3.5	15
128	DFA III production from inulin with inulin fructotransferase in ultrafiltration membrane bioreactor. Journal of Bioscience and Bioengineering, 2012, 113, 55-57.	2.2	15
129	Characterization of a thermostable arginase from Rummeliibacillus pycnus SK31.001. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S68-S75.	1.8	15
130	Cloning, Expression, and Characterization of a Novel l-Arabinose Isomerase from the Psychrotolerant Bacterium Pseudoalteromonas haloplanktis. Molecular Biotechnology, 2016, 58, 695-706.	2.4	15
131	Advances in the enzymatic production of l-hexoses. Applied Microbiology and Biotechnology, 2016, 100, 6971-6979.	3.6	15
132	Quantification of Lactulose and Epilactose in the Presence of Lactose in Milk using a dual HPLC analysis. Food Analytical Methods, 2016, 9, 2210-2222.	2.6	15
133	Synthesis of raffinose by transfructosylation using recombinant levansucrase from Clostridium arbusti<scp>SL206</scp>. Journal of the Science of Food and Agriculture, 2017, 97, 43-49.	3.5	15
134	Production of <scp>d</scp>â€mannose from <scp>d</scp>â€glucose by coâ€expression of <scp>d</scp>â€glucose isomerase and <scp>d</scp>â€lyxose isomerase in <scp>Escherichia coli</scp>. Journal of the Science of Food and Agriculture, 2018, 98, 4895-4902.	3.5	15
135	Chemistry Behind Rare Sugars and Bioprocessing. Journal of Agricultural and Food Chemistry, 2018, 66, 13343-13345.	5.2	15
136	Polyol dehydrogenases: intermediate role in the bioconversion of rare sugars and alcohols. Applied Microbiology and Biotechnology, 2019, 103, 6473-6481.	3.6	15
137	Efficient production of inulooligosaccharides from inulin by endoinulinase from Aspergillus arachidicola. Carbohydrate Polymers, 2019, 208, 70-76.	10.2	15
138	Efficient biosynthesis of lacto-N-neotetraose by a novel Î²-1,4-galactosyltransferase from Aggregatibacter actinomycetemcomitans NUM4039. Enzyme and Microbial Technology, 2022, 153, 109912.	3.2	15
139	Overview of a bioremediation tool: organophosphorus hydrolase and its significant application in the food, environmental, and therapy fields. Applied Microbiology and Biotechnology, 2021, 105, 8241-8253.	3.6	15
140	Purification and characterization of an intracellular levansucrase derived from Bacillus methylotrophicus SK 21.002. Biotechnology and Applied Biochemistry, 2015, 62, 815-822.	3.1	14
141	Reaction investigation of lactulose-producing cellobiose 2-epimerases under operational relevant conditions. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, S80-S87.	1.8	14
142	Advances in applications, metabolism, and biotechnological production of L-xylulose. Applied Microbiology and Biotechnology, 2016, 100, 535-540.	3.6	14
143	Ribose-5-phosphate isomerases: characteristics, structural features, and applications. Applied Microbiology and Biotechnology, 2020, 104, 6429-6441.	3.6	14
144	Characterization of a recombinant l-ribose isomerase from Mycetocola miduiensis and its application for the production of l-ribulose. Enzyme and Microbial Technology, 2020, 135, 109510.	3.2	14

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