Wanmeng Mu

List of Publications by Year
in descending order

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	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
2	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
3	Recent development of phenyllactic acid: physicochemical properties, biotechnological production strategies and applications. Critical Reviews in Biotechnology, 2023, 43, 293-308.	9.0	16
4	Occurrence, functional properties, and preparation of 3-fucosyllactose, one of the smallest human milk oligosaccharides. Critical Reviews in Food Science and Nutrition, 2023, 63, 9364-9378.	10.3	3
5	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
6	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
7	Characterization of a Novel Mannose Isomerase from Stenotrophomonas rhizophila and Identification of Its Possible Catalytic Residues. Molecular Biotechnology, 2022, , 1.	2.4	3
8	Glycosyltransferase from Bacteroides gallinaceum Is a Novel Î±-1,3-Fucosyltransferase that Can Be Used for 3-Fucosyllactose Production In Vivo by Metabolically Engineered Escherichia coli. Journal of Agricultural and Food Chemistry, 2022, , .	5.2	10
9	Enzymatic Preparation of Gentiooligosaccharides by a Thermophilic and Thermostable Î²-Glucosidase at a High Substrate Concentration. Foods, 2022, 11, 357.	4.3	6
10	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
11	Human Milk Oligosaccharides: The New Gold Standard for Premium Infant Formula. Journal of Agricultural and Food Chemistry, 2022, 70, 2061-2063.	5.2	28
12	Crystal Structure of Levansucrase from the Gram-Negative Bacterium Brenneria Provides Insights into Its Product Size Specificity. Journal of Agricultural and Food Chemistry, 2022, 70, 5095-5105.	5.2	7
13	Recent Advances on Lacto-N-neotetraose, a Commercially Added Human Milk Oligosaccharide in Infant Formula. Journal of Agricultural and Food Chemistry, 2022, 70, 4534-4547.	5.2	9
14	Cold-active enzymes in the dairy industry: Insight into cold adaption mechanisms and their applications. Trends in Food Science and Technology, 2022, 125, 126-135.	15.1	1
15	Modifying the Substrate Specificity of Keratinase for Industrial Dehairing to Replace Lime-Sulfide. ACS Sustainable Chemistry and Engineering, 2022, 10, 6863-6870.	6.7	5
16	Structure-based interface engineering methodology in designing a thermostable amylose-forming transglucosylase. Journal of Biological Chemistry, 2022, 298, 102074.	3.4	4
17	Comprehensive utilization of sucrose resources via chemical and biotechnological processes: A review. Biotechnology Advances, 2022, 60, 107990.	11.7	12
18	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

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19	Directionally modulating the product chain length of an inulosucrase by semi-rational engineering for efficient production of 1-kestose. Enzyme and Microbial Technology, 2022, 160, 110085.	3.2	5
20	Efficient Production of a Functional Human Milk Oligosaccharide 3â€²-Sialyllactose in Genetically Engineered Escherichia coli. ACS Synthetic Biology, 2022, 11, 2837-2845.	3.8	13
21	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
22	Thermostability engineering of an inulin fructotransferase for the biosynthesis of difructose anhydride I. Enzyme and Microbial Technology, 2022, 160, 110097.	3.2	3
23	Efficient elimination of zearalenone at high processing temperatures by a robust mutant of Gliocladium roseum zearalenone lactonase. Food Control, 2022, 142, 109222.	5.5	8
24	Insight into the effects and biotechnological production of kestoses, the smallest fructooligosaccharides. Critical Reviews in Biotechnology, 2021, 41, 34-46.	9.0	9
25	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
26	Glucansucrases Derived from Lactic Acid Bacteria to Synthesize Multitudinous Î±-Glucans. , 2021, , 251-274.		0
27	Characteristics of Levansucrase and Its Application for the Preparation of Levan and Levan-Type Oligosaccharides. , 2021, , 175-198.		0
28	Recent Advances in Ketose 3-Epimerase and Its Application for D-Allulose Production. , 2021, , 17-42.		0
29	Development and Classification of Functional Carbohydrate Processing Enzymes in the Food Industry. , 2021, , 1-16.		0
30	Pathway Optimization of 2â€²-Fucosyllactose Production in Engineered Escherichia coli. Journal of Agricultural and Food Chemistry, 2021, 69, 1567-1577.	5.2	33
31	Difructose Anhydrides-Producing Fructotransferase: Characteristics, Catalytic Mechanism, and Applications. , 2021, , 147-174.		1
32	Various Enzymes for the Biotechnological Production of D-Allose. , 2021, , 85-104.		1
33	Difructose anhydride III: a 50-year perspective on its production and physiological functions. Critical Reviews in Food Science and Nutrition, 2021, , 1-26.	10.3	4
34	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
35	Characterization of a Recombinant d-Allulose 3-epimerase from Thermoclostridium caenicola with Potential Application in d-Allulose Production. Molecular Biotechnology, 2021, 63, 534-543.	2.4	11
36	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

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37	Lactic acid bacteria-derived Î±-glucans: From enzymatic synthesis to miscellaneous applications. Biotechnology Advances, 2021, 47, 107708.	11.7	28
38	Recent advances and future prospective of organophosphorus-degrading enzymes: identification, modification, and application. Critical Reviews in Biotechnology, 2021, 41, 1096-1113.	9.0	11
39	A Novel Î²-1,4-Galactosyltransferase from Histophilus somni Enables Efficient Biosynthesis of Lacto-N-Neotetraose via Both Enzymatic and Cell Factory Approaches. Journal of Agricultural and Food Chemistry, 2021, 69, 5683-5690.	5.2	14
40	A review on l-ribose isomerases for the biocatalytic production of l-ribose and l-ribulose. Food Research International, 2021, 145, 110409.	6.2	10
41	Molecular Characterization of a Mesophilic Cellobiose 2-Epimerase That Maintains a High Catalytic Efficiency at Low Temperatures. Journal of Agricultural and Food Chemistry, 2021, 69, 8268-8275.	5.2	3
42	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
43	Encapsulation and characterisation of grape seed proanthocyanidin extract using sodium alginate and different cellulose derivatives. International Journal of Food Science and Technology, 2021, 56, 6420-6430.	2.7	12
44	Dictyoglomus turgidum DSM 6724 Î±-Glucan Phosphorylase: Characterization and Its Application in Multi-enzyme Cascade Reaction for d-Tagatose Production. Applied Biochemistry and Biotechnology, 2021, 193, 3719-3731.	2.9	5
45	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
46	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
47	Research Advances of d-allulose: An Overview of Physiological Functions, Enzymatic Biotransformation Technologies, and Production Processes. Foods, 2021, 10, 2186.	4.3	13
48	Microbial production, molecular modification, and practical application of l-Asparaginase: A review. International Journal of Biological Macromolecules, 2021, 186, 975-983.	7.5	24
49	An overview of D-galactose utilization through microbial fermentation and enzyme-catalyzed conversion. Applied Microbiology and Biotechnology, 2021, 105, 7161-7170.	3.6	5
50	Improving the catalytic behaviors of Lactobacillus-derived fructansucrases by truncation strategies. Enzyme and Microbial Technology, 2021, 149, 109857.	3.2	7
51	Comparative study of physicochemical properties of dextran and reuteran synthesised by two glucansucrases that are highly similar in amino acid sequence. International Journal of Food Science and Technology, 2021, 56, 6674-6684.	2.7	2
52	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
53	Biochemical identification of a hyperthermostable l-ribulose 3-epimerase from Labedella endophytica and its application for d-allulose bioconversion. International Journal of Biological Macromolecules, 2021, 189, 214-222.	7.5	13
54	Inulosucrase, an Efficient Transfructosylation Tool for the Synthesis of Microbial Inulin. , 2021, , 199-222.		0

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55	Molecular Dynamics Simulation for Food Enzyme Engineering: Why This Technique Should Be Encouraged To Learn. Journal of Agricultural and Food Chemistry, 2021, 69, 4-6.	5.2	14
56	Improving the Thermostability and Catalytic Activity of an Inulosucrase by Rational Engineering for the Biosynthesis of Microbial Inulin. Journal of Agricultural and Food Chemistry, 2021, 69, 13125-13134.	5.2	14
57	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
58	Engineering Escherichia coli for highly efficient production of lacto-N-triose II from N-acetylglucosamine, the monomer of chitin. Biotechnology for Biofuels, 2021, 14, 198.	6.2	4
59	Production of l-ribose from l-arabinose by co-expression of l-arabinose isomerase and d-lyxose isomerase in Escherichia coli. Enzyme and Microbial Technology, 2020, 132, 109443.	3.2	12
60	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
61	Current methods and applications in computational protein design for food industry. Critical Reviews in Food Science and Nutrition, 2020, 60, 3259-3270.	10.3	8
62	Microbial phospholipase D: Identification, modification and application. Trends in Food Science and Technology, 2020, 96, 145-156.	15.1	24
63	Identification of a Potent Enzyme for the Detoxification of Zearalenone. Journal of Agricultural and Food Chemistry, 2020, 68, 376-383.	5.2	39
64	Biochemical characterization of recombinant L-fucose isomerase from Caldanaerobius polysaccharolyticus for L-fuculose production. International Journal of Biological Macromolecules, 2020, 146, 965-975.	7.5	13
65	Archaeal hyperthermostable mannitol dehydrogenases: A promising industrial enzymes for d-mannitol synthesis. Food Research International, 2020, 137, 109638.	6.2	10
66	One-pot production of d-allulose from inulin by a novel identified thermostable exoinulinase from Aspergillus piperis and Dorea sp. d-allulose 3-epimerase. Process Biochemistry, 2020, 99, 87-95.	3.7	8
67	Sugar alcohols derived from lactose: lactitol, galactitol, and sorbitol. Applied Microbiology and Biotechnology, 2020, 104, 9487-9495.	3.6	31
68	Efficient production of inulin and oligosaccharides using thermostable inulosucrase from Lactobacillus jensenii. International Journal of Biological Macromolecules, 2020, 165, 1250-1257.	7.5	9
69	Identification of a novel recombinant D-lyxose isomerase from Thermoprotei archaeon with high thermostable, weak-acid and nickel ion dependent properties. International Journal of Biological Macromolecules, 2020, 164, 1267-1274.	7.5	4
70	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
71	Production and Physicochemical Properties of Food-Grade High-Molecular-WeightLactobacillusInulin. Journal of Agricultural and Food Chemistry, 2020, 68, 5854-5862.	5.2	12
72	Recent advances in properties, production, and applications of l-ribulose. Applied Microbiology and Biotechnology, 2020, 104, 5663-5672.	3.6	4

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73	Ribose-5-phosphate isomerases: characteristics, structural features, and applications. Applied Microbiology and Biotechnology, 2020, 104, 6429-6441.	3.6	14
74	Characterization of recombinant L-ribose isomerase acquired from Cryobacterium sp. N21 with potential application in L-ribulose production. Process Biochemistry, 2020, 97, 1-10.	3.7	9
75	Mannitol: physiological functionalities, determination methods, biotechnological production, and applications. Applied Microbiology and Biotechnology, 2020, 104, 6941-6951.	3.6	47
76	Microbial and enzymatic strategies for the production of l-ribose. Applied Microbiology and Biotechnology, 2020, 104, 3321-3329.	3.6	7
77	Biochemical characterization of a novel thermostable DFA I-forming inulin fructotransferases from Streptomyces peucetius subsp. caesius ATCC 27952. Enzyme and Microbial Technology, 2020, 137, 109519.	3.2	6
78	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
79	Preparation, characterization and application of levan/montmorillonite biocomposite and levan/BSA nanoparticle. Carbohydrate Polymers, 2020, 234, 115921.	10.2	19
80	Characterization of a recombinant D-mannose-producing D-lyxose isomerase from Caldanaerobius polysaccharolyticus. Enzyme and Microbial Technology, 2020, 138, 109553.	3.2	9
81	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
82	A report on the 2nd Chinese-German symposium: Functional and healthy food ingredients: Emerging insights and technologies. Trends in Food Science and Technology, 2020, 99, 472-473.	15.1	1
83	Computer-aided search for a cold-active cellobiose 2-epimerase. Journal of Dairy Science, 2020, 103, 7730-7741.	3.4	10
84	An overview of levan-degrading enzyme from microbes. Applied Microbiology and Biotechnology, 2019, 103, 7891-7902.	3.6	17
85	Thermostable Amylosucrase from Calidithermus timidus DSM 17022: Insight into Its Characteristics and Tetrameric Conformation. Journal of Agricultural and Food Chemistry, 2019, 67, 9868-9876.	5.2	6
86	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
87	Polyol dehydrogenases: intermediate role in the bioconversion of rare sugars and alcohols. Applied Microbiology and Biotechnology, 2019, 103, 6473-6481.	3.6	15
88	A close look on the effect of polyethylene glycol on the levansucrase thermostability: a case study of Brenneria sp. levansucrase. Journal of the Science of Food and Agriculture, 2019, 99, 6315-6323.	3.5	2
89	Recent studies on the biological production of D-mannose. Applied Microbiology and Biotechnology, 2019, 103, 8753-8761.	3.6	29
90	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

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91	Novel Dextransucrase Gtf-DSM, Highly Similar in Sequence to Reuteransucrase GtfO, Displays Unique Product Specificity. Journal of Agricultural and Food Chemistry, 2019, 67, 12806-12815.	5.2	10
92	Sucrose isomers as alternative sweeteners: properties, production, and applications. Applied Microbiology and Biotechnology, 2019, 103, 8677-8687.	3.6	22
93	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
94	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
95	An overview on biological production of functional lactose derivatives. Applied Microbiology and Biotechnology, 2019, 103, 3683-3691.	3.6	37
96	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
97	Simulation-guided enzyme discovery: A new microbial source of cellobiose 2-epimerase. International Journal of Biological Macromolecules, 2019, 139, 1002-1008.	7.5	16
98	Characterization of a Recombinant Trehalose Synthase from Arthrobacter chlorophenolicus and its Unique Kinetics Indicating a Substrate Cooperativity. Applied Biochemistry and Biotechnology, 2019, 187, 1255-1271.	2.9	5
99	Detarium microcarpum: A novel source of nutrition and medicine: A review. Food Chemistry, 2019, 274, 900-906.	8.2	8
100	Recent advances in Levansucrase and Inulosucrase: evolution, characteristics, and application. Critical Reviews in Food Science and Nutrition, 2019, 59, 3630-3647.	10.3	44
101	Efficient production of inulooligosaccharides from inulin by endoinulinase from Aspergillus arachidicola. Carbohydrate Polymers, 2019, 208, 70-76.	10.2	15
102	Inulin and its enzymatic production by inulosucrase: Characteristics, structural features, molecular modifications and applications. Biotechnology Advances, 2019, 37, 306-318.	11.7	49
103	Preparation of a novel water-soluble gel from Erwinia amylovora levan. International Journal of Biological Macromolecules, 2019, 122, 469-478.	7.5	26
104	Enhancement of the Brenneria sp. levansucrase thermostability by site-directed mutagenesis at Glu404 located at the â€œ-TEAP-â€•residue motif. Journal of Biotechnology, 2019, 290, 1-9.	3.8	8
105	Highly efficient biosynthesis of Î±-arbutin from hydroquinone by an amylosucrase from Cellulomonas carboniz. Process Biochemistry, 2018, 68, 93-99.	3.7	25
106	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
107	Recent advances on biological production of difructose dianhydride III. Applied Microbiology and Biotechnology, 2018, 102, 3007-3015.	3.6	7
108	d-lyxose isomerase and its application for functional sugar production. Applied Microbiology and Biotechnology, 2018, 102, 2051-2062.	3.6	26

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109	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
110	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
111	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
112	Combination of sequence-based and in silico screening to identify novel trehalose synthases. Enzyme and Microbial Technology, 2018, 115, 62-72.	3.2	5
113	Synthesis of Lactosucrose Using a Recombinant Levansucrase from Brenneria goodwinii. Applied Biochemistry and Biotechnology, 2018, 186, 292-305.	2.9	13
114	Recent research on the physiological functions, applications, and biotechnological production of d-allose. Applied Microbiology and Biotechnology, 2018, 102, 4269-4278.	3.6	58
115	Characterization of a recombinant arginine deiminase from Enterococcus faecalis SK32.001 for L-citrulline production. Process Biochemistry, 2018, 64, 136-142.	3.7	10
116	Lactulose production by a thermostable glycoside hydrolase from the hyperthermophilic archaeon Caldivirga maquilingensis ICâ€167. Journal of the Science of Food and Agriculture, 2018, 98, 928-937.	3.5	4
117	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
118	Biosynthesis of inulin from sucrose using inulosucrase from Lactobacillus gasseri DSM 20604. International Journal of Biological Macromolecules, 2018, 109, 1209-1218.	7.5	27
119	Physicochemical properties of a high molecular weight levan from Brenneria sp. EniD312. International Journal of Biological Macromolecules, 2018, 109, 810-818.	7.5	47
120	Chemistry Behind Rare Sugars and Bioprocessing. Journal of Agricultural and Food Chemistry, 2018, 66, 13343-13345.	5.2	15
121	Structural and Functional Basis of Difructose Anhydride III Hydrolase, Which Sequentially Converts Inulin Using the Same Catalytic Residue. ACS Catalysis, 2018, 8, 10683-10697.	11.2	12
122	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
123	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
124	l -arabinose isomerases: Characteristics, modification, and application. Trends in Food Science and Technology, 2018, 78, 25-33.	15.1	42
125	Biochemical characterization of a highly thermostable amylosucrase from Truepera radiovictrix DSM 17093. International Journal of Biological Macromolecules, 2018, 116, 744-752.	7.5	20
126	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

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127	Amylosucrase as a transglucosylation tool: From molecular features to bioengineering applications. Biotechnology Advances, 2018, 36, 1540-1552.	11.7	51
128	Isomerases and epimerases for biotransformation of pentoses. Applied Microbiology and Biotechnology, 2018, 102, 7283-7292.	3.6	17
129	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
130	Thermostability and Specific-Activity Enhancement of an Arginine Deiminase from Enterococcus faecalis SK23.001 via Semirational Design for <scp>l</scp>-Citrulline Production. Journal of Agricultural and Food Chemistry, 2018, 66, 8841-8850.	5.2	8
131	Bioconversion of inulin to difructose anhydride III by a novel inulin fructotransferase from Arthrobacter chlorophenolicus A6. Process Biochemistry, 2018, 75, 130-138.	3.7	4
132	Recent progress on biological production of Î±-arbutin. Applied Microbiology and Biotechnology, 2018, 102, 8145-8152.	3.6	43
133	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
134	Bioconversion of sucrose to maltooligosaccharides by the synergistic action of amylosucrase and Î±-amylase. Process Biochemistry, 2018, 74, 71-76.	3.7	10
135	Enzymatic approaches to rare sugar production. Biotechnology Advances, 2017, 35, 267-274.	11.7	124
136	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
137	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
138	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
139	Hidden Reaction: Mesophilic Cellobiose 2-Epimerases Produce Lactulose. Journal of Agricultural and Food Chemistry, 2017, 65, 2530-2539.	5.2	27
140	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
141	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
142	Recent advances in the applications and biotechnological production of mannitol. Journal of Functional Foods, 2017, 36, 404-409.	3.4	66
143	Formation of di- d -fructofuranose-1,2â€²:2,1â€²-dianhydride by three novel inulin fructotransferases from the Nocardiaceae family. Process Biochemistry, 2017, 62, 106-113.	3.7	5
144	Overproduction of Rummeliibacillus pycnus arginase with multi-copy insertion of the arg R.pyc cassette into the Bacillus subtilis chromosome. Applied Microbiology and Biotechnology, 2017, 101, 6039-6048.	3.6	11

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145	Improving the Catalytic Behavior of DFA I-Forming Inulin Fructotransferase from Streptomyces davawensis with Site-Directed Mutagenesis. Journal of Agricultural and Food Chemistry, 2017, 65, 7579-7587.	5.2	8
146	Efficient Synthesis of Glucosyl-Î²-Cyclodextrin from Maltodextrins by Combined Action of Cyclodextrin Glucosyltransferase and Amyloglucosidase. Journal of Agricultural and Food Chemistry, 2017, 65, 6023-6029.	5.2	5
147	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
148	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
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