

Wanmeng Mu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224 papers	3,986 citations	33 h-index	49 g-index
239 ext. papers	4,921 ext. citations	6.2 avg, IF	5.9 L-index

#	Paper	IF	Citations
224	Characterization of a Novel Mannose Isomerase from <i>Stenotrophomonas rhizophila</i> and Identification of Its Possible Catalytic Residues.. <i>Molecular Biotechnology</i> , 2022 , 1	3	0
223	Glycosyltransferase from Is a Novel β 1,3-Fucosyltransferase that Can Be Used for 3-Fucosyllactose Production In Vivo by Metabolically Engineered .. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	2
222	Computer-Aided Targeted Mutagenesis of d-Allulose 3-Epimerase for Improved Thermostability.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	6
221	Human Milk Oligosaccharides: The New Gold Standard for Premium Infant Formula.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	7
220	Occurrence, functional properties, and preparation of 3-fucosyllactose, one of the smallest human milk oligosaccharides.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-15	11.5	1
219	Structure-based interface engineering methodology in designing a thermostable amylose-forming transglucosylase. <i>Journal of Biological Chemistry</i> , 2022 , 102074	5.4	1
218	Comprehensive utilization of sucrose resources via chemical and biotechnological processes: A review. <i>Biotechnology Advances</i> , 2022 , 60, 107990	17.8	2
217	Improving the Thermostability and Catalytic Activity of an Inulosucrase by Rational Engineering for the Biosynthesis of Microbial Inulin. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 13125-13134	5.7	2
216	Overview of a bioremediation tool: organophosphorus hydrolase and its significant application in the food, environmental, and therapy fields. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 8241-8253	5.7	3
215	Engineering <i>Escherichia coli</i> for highly efficient production of lacto-N-triose II from N-acetylglucosamine, the monomer of chitin. <i>Biotechnology for Biofuels</i> , 2021 , 14, 198	7.8	1
214	Molecular Dynamics Simulation for Food Enzyme Engineering: Why This Technique Should Be Encouraged To Learn. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 4-6	5.7	4
213	Metabolic Engineering of for Lacto--triose II Production with High Productivity. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 3702-3711	5.7	11
212	Lactic acid bacteria-derived β glucans: From enzymatic synthesis to miscellaneous applications. <i>Biotechnology Advances</i> , 2021 , 47, 107708	17.8	11
211	Recent advances and future prospective of organophosphorus-degrading enzymes: identification, modification, and application. <i>Critical Reviews in Biotechnology</i> , 2021 , 41, 1096-1113	9.4	3
210	A Novel β 1,4-Galactosyltransferase from Enables Efficient Biosynthesis of Lacto--Neotetraose via Both Enzymatic and Cell Factory Approaches. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 5683-5690	5.7	4
209	A review on l-ribose isomerases for the biocatalytic production of l-ribose and l-ribulose. <i>Food Research International</i> , 2021 , 145, 110409	7	4
208	Insight into the effects and biotechnological production of kestoses, the smallest fructooligosaccharides. <i>Critical Reviews in Biotechnology</i> , 2021 , 41, 34-46	9.4	3

207	A review on selective l-fucose/d-arabinose isomerases for biocatalytic production of l-fucose/d-ribulose. <i>International Journal of Biological Macromolecules</i> , 2021 , 168, 558-571	7.9	7
206	Glucansucrases Derived from Lactic Acid Bacteria to Synthesize Multitudinous β -Glucans 2021 , 251-274		
205	Characteristics of Levansucrase and Its Application for the Preparation of Levan and Levan-Type Oligosaccharides 2021 , 175-198		
204	Recent Advances in Ketose 3-Epimerase and Its Application for D-Allulose Production 2021 , 17-42		
203	Development and Classification of Functional Carbohydrate Processing Enzymes in the Food Industry 2021 , 1-16		
202	Pathway Optimization of 2RFucosyllactose Production in Engineered. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1567-1577	5.7	9
201	Difructose Anhydrides-Producing Fructotransferase: Characteristics, Catalytic Mechanism, and Applications 2021 , 147-174		0
200	Various Enzymes for the Biotechnological Production of D-Allose 2021 , 85-104		
199	Difructose anhydride III: a 50-year perspective on its production and physiological functions. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-26	11.5	1
198	In-depth biochemical identification of a novel methyl parathion hydrolase from <i>Azohydromonas australica</i> and its high effectiveness in the degradation of various organophosphorus pesticides. <i>Bioresource Technology</i> , 2021 , 323, 124641	11	11
197	Characterization of a Recombinant D-Allulose 3-epimerase from <i>Thermoclostridium caenicola</i> with Potential Application in D-Allulose Production. <i>Molecular Biotechnology</i> , 2021 , 63, 534-543	3	5
196	Molecular Characterization of a Mesophilic Cellobiose 2-Epimerase That Maintains a High Catalytic Efficiency at Low Temperatures. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 8268-8275	5.7	1
195	Metabolic Engineering of for Efficient Biosynthesis of Lacto--tetraose Using a Novel β 1,3-Galactosyltransferase From. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 11342-11349	5.7	2
194	Overview of strategies for developing high thermostability industrial enzymes: Discovery, mechanism, modification and challenges. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-18	11.5	7
193	<i>Dictyoglomus turgidum</i> DSM 6724 β -Glucan Phosphorylase: Characterization and Its Application in Multi-enzyme Cascade Reaction for D-Tagatose Production. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 3719-3731	3.2	2
192	Physiological effects, biosynthesis, and derivatization of key human milk tetrasaccharides, lacto--tetraose, and lacto--neotetraose. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-19	9.4	6
191	Efficient Production of 2RFucosyllactose from l-Fucose Self-Assembling Multienzyme Complexes in Engineered. <i>ACS Synthetic Biology</i> , 2021 , 10, 2488-2498	5.7	4
190	Research Advances of d-allulose: An Overview of Physiological Functions, Enzymatic Biotransformation Technologies, and Production Processes. <i>Foods</i> , 2021 , 10,	4.9	3

- 189 Microbial production, molecular modification, and practical application of L-Asparaginase: A review. *International Journal of Biological Macromolecules*, **2021**, 186, 975-983 7.9 0
- 188 An overview of D-galactose utilization through microbial fermentation and enzyme-catalyzed conversion. *Applied Microbiology and Biotechnology*, **2021**, 105, 7161-7170 5.7 0
- 187 Improving the catalytic behaviors of Lactobacillus-derived fructansucrases by truncation strategies. *Enzyme and Microbial Technology*, **2021**, 149, 109857 3.8 3
- 186 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 8.5 4
- 185 Biochemical identification of a hyperthermostable L-ribulose 3-epimerase from *Labeledella endophytica* and its application for D-allulose bioconversion. *International Journal of Biological Macromolecules*, **2021**, 189, 214-222 7.9 4
- 184 Efficient biosynthesis of lacto-N-neotetraose by a novel β -1,4-galactosyltransferase from *Aggregatibacter actinomycetemcomitans* NUM4039. *Enzyme and Microbial Technology*, **2021**, 153, 109912⁸ 3.8 3
- 183 Inulosucrase, an Efficient Transfructosylation Tool for the Synthesis of Microbial Inulin **2021**, 199-222
- 182 D-allulose, a versatile rare sugar: recent biotechnological advances and challenges.. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-19 11.5 5
- 181 Recent development of phenyllactic acid: physicochemical properties, biotechnological production strategies and applications.. *Critical Reviews in Biotechnology*, **2021**, 1-16 9.4 3
- 180 Recent advances on 2Rfucosyllactose: physiological properties, applications, and production approaches. *Critical Reviews in Food Science and Nutrition*, **2020**, 1-10 11.5 20
- 179 β -L-Fucosidases and their applications for the production of fucosylated human milk oligosaccharides. *Applied Microbiology and Biotechnology*, **2020**, 104, 5619-5631 5.7 14
- 178 Production and Physicochemical Properties of Food-Grade High-Molecular-Weight Inulin. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 5854-5862 5.7 5
- 177 Recent advances in properties, production, and applications of L-ribulose. *Applied Microbiology and Biotechnology*, **2020**, 104, 5663-5672 5.7 2
- 176 Ribose-5-phosphate isomerases: characteristics, structural features, and applications. *Applied Microbiology and Biotechnology*, **2020**, 104, 6429-6441 5.7 6
- 175 Characterization of recombinant L-ribose isomerase acquired from *Cryobacterium* sp. N21 with potential application in L-ribulose production. *Process Biochemistry*, **2020**, 97, 1-10 4.8 6
- 174 Mannitol: physiological functionalities, determination methods, biotechnological production, and applications. *Applied Microbiology and Biotechnology*, **2020**, 104, 6941-6951 5.7 15
- 173 Microbial and enzymatic strategies for the production of L-ribose. *Applied Microbiology and Biotechnology*, **2020**, 104, 3321-3329 5.7 2
- 172 Biochemical characterization of a novel thermostable DFA I-forming inulin fructotransferases from *Streptomyces peucetius* subsp. *caesius* ATCC 27952. *Enzyme and Microbial Technology*, **2020**, 137, 109519⁸ 3.8 4

171	Characterization of a recombinant l-ribose isomerase from <i>Mycetocola miduiensis</i> and its application for the production of l-ribulose. <i>Enzyme and Microbial Technology</i> , 2020 , 135, 109510	3.8	9
170	Preparation, characterization and application of levan/montmorillonite biocomposite and levan/BSA nanoparticle. <i>Carbohydrate Polymers</i> , 2020 , 234, 115921	10.3	10
169	Characterization of a recombinant D-mannose-producing D-lyxose isomerase from <i>Caldanaerobius polysaccharolyticus</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 138, 109553	3.8	4
168	Combinatorial Modular Pathway Engineering for Guanosine 5RDiphosphate-l-fucose Production in Recombinant. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5668-5675	5.7	9
167	Computer-aided search for a cold-active cellobiose 2-epimerase. <i>Journal of Dairy Science</i> , 2020 , 103, 7730-7741	4.15	
166	Semi-rational design and molecular dynamics simulations study of the thermostability enhancement of cellobiose 2-epimerases. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 1356-1365	7.9	15
165	Current methods and applications in computational protein design for food industry. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 60, 3259-3270	11.5	4
164	Microbial phospholipase D: Identification, modification and application. <i>Trends in Food Science and Technology</i> , 2020 , 96, 145-156	15.3	9
163	Identification of a Potent Enzyme for the Detoxification of Zearalenone. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 376-383	5.7	13
162	Biochemical characterization of recombinant L-fucose isomerase from <i>Caldanaerobius polysaccharolyticus</i> for L-fucose production. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 965-975	7.9	7
161	Archaeal hyperthermostable mannitol dehydrogenases: A promising industrial enzymes for d-mannitol synthesis. <i>Food Research International</i> , 2020 , 137, 109638	7	3
160	One-pot production of d-allulose from inulin by a novel identified thermostable exoinulinase from <i>Aspergillus piperis</i> and <i>Dorea</i> sp. d-allulose 3-epimerase. <i>Process Biochemistry</i> , 2020 , 99, 87-95	4.8	5
159	Sugar alcohols derived from lactose: lactitol, galactitol, and sorbitol. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 9487-9495	5.7	10
158	Efficient production of inulin and oligosaccharides using thermostable inulosucrase from <i>Lactobacillus jensenii</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1250-1257	7.9	6
157	Identification of a novel recombinant D-lyxose isomerase from <i>Thermoprotei</i> archaeon with high thermostable, weak-acid and nickel ion dependent properties. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 1267-1274	7.9	2
156	Production of l-ribose from l-arabinose by co-expression of l-arabinose isomerase and d-lyxose isomerase in <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 132, 109443	3.8	8
155	Sucrose isomers as alternative sweeteners: properties, production, and applications. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8677-8687	5.7	10
154	Characterization of a novel d-arabinose isomerase from <i>Thermanaeromonas toyohensis</i> and its application for the production of d-ribulose and l-fucose. <i>Enzyme and Microbial Technology</i> , 2019 , 131, 109427	3.8	12

153	Characterization of a novel d-lyxose isomerase from <i>Thermoflavimicrobium dichotomicum</i> and its application for D-mannose production. <i>Process Biochemistry</i> , 2019 , 83, 131-136	4.8	14
152	An overview on biological production of functional lactose derivatives. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 3683-3691	5.7	23
151	Atmospheric and room temperature plasma (ARTP) mutagenesis enables xylitol over-production with yeast <i>Candida tropicalis</i> . <i>Journal of Biotechnology</i> , 2019 , 296, 7-13	3.7	15
150	An overview of levan-degrading enzyme from microbes. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 7891-7902	5.7	10
149	Thermostable Amylosucrase from DSM 17022: Insight into Its Characteristics and Tetrameric Conformation. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9868-9876	5.7	4
148	Characterization of a d-tagatose 3-epimerase from <i>Caballeronia fortuita</i> and its application in rare sugar production. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 536-545	7.9	25
147	Polyol dehydrogenases: intermediate role in the bioconversion of rare sugars and alcohols. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 6473-6481	5.7	10
146	A close look on the effect of polyethylene glycol on the levansucrase thermostability: a case study of <i>Brenneria</i> sp. levansucrase. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 6315-6323	4.3	2
145	Recent studies on the biological production of D-mannose. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 8753-8761	5.7	13
144	An overview of the biological production of 1-deoxynojirimycin: current status and future perspective. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 9335-9344	5.7	14
143	Novel Dextransucrase Gtf-DSM, Highly Similar in Sequence to Reuteransucrase GtfO, Displays Unique Product Specificity. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 12806-12815	5.7	6
142	Simulation-guided enzyme discovery: A new microbial source of cellobiose 2-epimerase. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 1002-1008	7.9	10
141	Characterization of a Recombinant Trehalose Synthase from <i>Arthrobacter chlorophenolicus</i> and its Unique Kinetics Indicating a Substrate Cooperativity. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 187, 1255-1271	3.2	2
140	<i>Detarium microcarpum</i> : A novel source of nutrition and medicine: A review. <i>Food Chemistry</i> , 2019 , 274, 900-906	8.5	4
139	Recent advances in Levansucrase and Inulosucrase: evolution, characteristics, and application. <i>Critical Reviews in Food Science and Nutrition</i> , 2019 , 59, 3630-3647	11.5	24
138	Efficient production of inulooligosaccharides from inulin by endoinulinase from <i>Aspergillus arachidicola</i> . <i>Carbohydrate Polymers</i> , 2019 , 208, 70-76	10.3	13
137	Inulin and its enzymatic production by inulosucrase: Characteristics, structural features, molecular modifications and applications. <i>Biotechnology Advances</i> , 2019 , 37, 306-318	17.8	34
136	Preparation of a novel water-soluble gel from <i>Erwinia amylovora</i> levan. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 469-478	7.9	16

135	Enhancement of the Brenneria sp. levansucrase thermostability by site-directed mutagenesis at Glu located at the "-TEAP-" residue motif. <i>Journal of Biotechnology</i> , 2019 , 290, 1-9	3.7	6
134	Highly efficient biosynthesis of Earbutin from hydroquinone by an amylosucrase from Cellulomonas carboniz. <i>Process Biochemistry</i> , 2018 , 68, 93-99	4.8	19
133	Biotechnical production of trehalose through the trehalose synthase pathway: current status and future prospects. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 2965-2976	5.7	36
132	Recent advances on biological production of difructose dianhydride III. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 3007-3015	5.7	5
131	D-lyxose isomerase and its application for functional sugar production. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 2051-2062	5.7	21
130	Biosynthesis of levan from sucrose using a thermostable levansucrase from Lactobacillus reuteri LTH5448. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 29-37	7.9	41
129	Construction of an enzymatic route using a food-grade recombinant Bacillus subtilis for the production and purification of epilactose from lactose. <i>Journal of Dairy Science</i> , 2018 , 101, 1872-1882	4	12
128	Production of d-mannose from d-glucose by co-expression of d-glucose isomerase and d-lyxose isomerase in Escherichia coli. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 4895-4902	4.3	11
127	Combination of sequence-based and in silico screening to identify novel trehalose synthases. <i>Enzyme and Microbial Technology</i> , 2018 , 115, 62-72	3.8	4
126	Synthesis of Lactosucrose Using a Recombinant Levansucrase from Brenneria goodwinii. <i>Applied Biochemistry and Biotechnology</i> , 2018 , 186, 292-305	3.2	8
125	Recent research on the physiological functions, applications, and biotechnological production of D-allose. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 4269-4278	5.7	32
124	Characterization of a recombinant arginine deiminase from Enterococcus faecalis SK32.001 for L-citrulline production. <i>Process Biochemistry</i> , 2018 , 64, 136-142	4.8	6
123	Lactulose production by a thermostable glycoside hydrolase from the hyperthermophilic archaeon Caldivirga maquilingensis IC-167. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 928-937	4.3	2
122	Characterization of a thermostable recombinant l-rhamnose isomerase from Caldicellulosiruptor obsidiansis OB47 and its application for the production of l-fructose and l-rhamnulose. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 2184-2193	4.3	11
121	Purification and characterization of an intracellular l-rhamnosidase from a newly isolated strain, Alternaria alternata SK37.001. <i>Food Chemistry</i> , 2018 , 269, 63-69	8.5	9
120	Thermostability and Specific-Activity Enhancement of an Arginine Deiminase from Enterococcus faecalis SK23.001 via Semirational Design for L-Citrulline Production. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 8841-8850	5.7	3
119	Bioconversion of inulin to difructose anhydride III by a novel inulin fructotransferase from Arthrobacter chlorophenolicus A6. <i>Process Biochemistry</i> , 2018 , 75, 130-138	4.8	2
118	Recent progress on biological production of Earbutin. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 8145-8152	5.7	21

117	Insights into hydrolysis versus transfructosylation: Mutagenesis studies of a novel levansucrase from <i>Brenneria</i> sp. EniD312. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 335-345	7.9	13
116	Bioconversion of sucrose to maltooligosaccharides by the synergistic action of amylosucrase and α -amylase. <i>Process Biochemistry</i> , 2018 , 74, 71-76	4.8	7
115	Biosynthesis of inulin from sucrose using inulosucrase from <i>Lactobacillus gasseri</i> DSM 20604. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 1209-1218	7.9	19
114	Physicochemical properties of a high molecular weight levan from <i>Brenneria</i> sp. EniD312. <i>International Journal of Biological Macromolecules</i> , 2018 , 109, 810-818	7.9	31
113	Chemistry Behind Rare Sugars and Bioprocessing. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 13343-13345	5.7	7
112	Structural and Functional Basis of Difructose Anhydride III Hydrolase, Which Sequentially Converts Inulin Using the Same Catalytic Residue. <i>ACS Catalysis</i> , 2018 , 8, 10683-10697	13.1	5
111	Improving Thermostability and Catalytic Behavior of L-Rhamnose Isomerase from <i>Caldicellulosiruptor obsidiansis</i> OB47 toward d-Allulose by Site-Directed Mutagenesis. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 12017-12024	5.7	8
110	Current research on cellobiose 2-epimerase: Enzymatic properties, mechanistic insights, and potential applications in the dairy industry. <i>Trends in Food Science and Technology</i> , 2018 , 82, 167-176	15.3	26
109	L-arabinose isomerases: Characteristics, modification, and application. <i>Trends in Food Science and Technology</i> , 2018 , 78, 25-33	15.3	27
108	Biochemical characterization of a highly thermostable amylosucrase from <i>Truepera radiovictrix</i> DSM 17093. <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 744-752	7.9	8
107	Thermostability Improvement of the d-Allulose 3-Epimerase from <i>Dorea</i> sp. CAG317 by Site-Directed Mutagenesis at the Interface Regions. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 5593-5601	5.7	25
106	Amylosucrase as a transglucosylation tool: From molecular features to bioengineering applications. <i>Biotechnology Advances</i> , 2018 , 36, 1540-1552	17.8	37
105	Isomerases and epimerases for biotransformation of pentoses. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 7283-7292	5.7	11
104	Enzymatic approaches to rare sugar production. <i>Biotechnology Advances</i> , 2017 , 35, 267-274	17.8	95
103	Identification of an α (1,4)-Glucan-Synthesizing Amylosucrase from <i>Cellulomonas carboniz</i> T26. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 2110-2119	5.7	19
102	Enzymatic Production of Melibiose from Raffinose by the Levansucrase from <i>Leuconostoc mesenteroides</i> B-512 FMC. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 3910-3918	5.7	16
101	Characterization of a novel thermostable L-rhamnose isomerase from <i>Thermobacillus composti</i> KWC4 and its application for production of d-allose. <i>Process Biochemistry</i> , 2017 , 53, 153-161	4.8	12
100	Hidden Reaction: Mesophilic Cellobiose 2-Epimerases Produce Lactulose. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 2530-2539	5.7	23

99	Production of d-allulose from d-glucose by Escherichia coli transformant cells co-expressing d-glucose isomerase and d-psicose 3-epimerase genes. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 3420-3426	4.3	15
98	Characterisation of a novel cellobiose 2-epimerase from thermophilic Caldicellulosiruptor obsidiansis for lactulose production. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 3095-3105	4.3	21
97	Synthesis of allitol from D-psicose using ribitol dehydrogenase and formate dehydrogenase. <i>Tropical Journal of Pharmaceutical Research</i> , 2017 , 15, 2701	0.8	7
96	Recent advances in the applications and biotechnological production of mannitol. <i>Journal of Functional Foods</i> , 2017 , 36, 404-409	5.1	33
95	Formation of di-d-fructofuranose-1,2?:2,1?-dianhydride by three novel inulin fructotransferases from the Nocardiaceae family. <i>Process Biochemistry</i> , 2017 , 62, 106-113	4.8	3
94	Overproduction of Rummeliibacillus pycnus arginase with multi-copy insertion of the arg cassette into the Bacillus subtilis chromosome. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6039-6048	5.7	7
93	Improving the Catalytic Behavior of DFA I-Forming Inulin Fructotransferase from Streptomyces davawensis with Site-Directed Mutagenesis. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 7579-7587	5.7	7
92	Efficient Synthesis of Glucosyl-ECyclodextrin from Maltodextrins by Combined Action of Cyclodextrin Glucosyltransferase and Amyloglucosidase. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6023-6029	5.7	2
91	Synthesis of raffinose by transfructosylation using recombinant levansucrase from Clostridium arbusti SL206. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 43-49	4.3	13
90	Production of Mannitol from a High Concentration of Glucose by Candida parapsilosis SK26.001. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 181, 391-406	3.2	13
89	Characterization of a thermostable glycoside hydrolase (CMBg0408) from the hyperthermophilic archaeon Caldivirga maquilingensis IC-167. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 2132-2140	4.3	3
88	Large-scale purification of epilactose using a semi-preparative HPLC system. <i>European Food Research and Technology</i> , 2017 , 243, 391-402	3.4	6
87	Allitol: production, properties and applications. <i>International Journal of Food Science and Technology</i> , 2017 , 52, 91-97	3.8	9
86	Efficient biosynthesis of levan from sucrose by a novel levansucrase from Brenneria goodwinii. <i>Carbohydrate Polymers</i> , 2017 , 157, 1732-1740	10.3	42
85	Identification of a novel DFA I-producing inulin fructotransferase from Streptomyces davawensis. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 723-730	7.9	7
84	Probing the Role of Two Critical Residues in Inulin Fructotransferase (DFA III-Producing) Thermostability from Arthrobacter sp. 61MFSHa2.1. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 6188-95	5.7	10
83	Facile enzymatic production of difructose dianhydride III from sucrose. <i>RSC Advances</i> , 2016 , 6, 103791-103794	3.7	7
82	Cloning, expression, and characterization of a thermostable l-arginase from Geobacillus thermodenitrificans NG80-2 for l-ornithine production. <i>Biotechnology and Applied Biochemistry</i> , 2016 , 63, 391-7	2.8	6

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