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List of Publications by Year in descending order

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26
papers

438
citations

623734

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#	ARTICLE	IF	CITATIONS
1	Modulation of fructooligosaccharide chain length and insight into the product binding motif of <i>Lactobacillus reuteri</i> 121 inulosucrase. <i>Carbohydrate Polymers</i> , 2019, 209, 111-121.	10.2	44
2	Enhanced Solubility and Anticancer Potential of Mansonone G By β -Cyclodextrin-Based Host-Guest Complexation: A Computational and Experimental Study. <i>Biomolecules</i> , 2019, 9, 545.	4.0	42
3	An α -1,6-and α -1,3-linked glucan produced by <i>Leuconostoc citreum</i> ABK-1 alternansucrase with nanoparticle and film-forming properties. <i>Scientific Reports</i> , 2018, 8, 8340.	3.3	39
4	Computational design of oligosaccharide producing levansucrase from <i>Bacillus licheniformis</i> RN-01 to improve its thermostability for production of levan-type fructooligosaccharides from sucrose. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 252-263.	7.5	28
5	Levansucrase from <i>Bacillus amyloliquefaciens</i> KK9 and Its Y237S Variant Producing the High Bioactive Levan-Type Fructooligosaccharides. <i>Biomolecules</i> , 2020, 10, 692.	4.0	27
6	Molecular basis of the new COVID-19 target neuropilin-1 in complex with SARS-CoV-2 S1 C-end rule peptide and small-molecule antagonists. <i>Journal of Molecular Liquids</i> , 2021, 335, 116537.	4.9	25
7	Computational design of <i>Bacillus licheniformis</i> RN-01 levansucrase for control of the chain length of levan-type fructooligosaccharides. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 1239-1248.	7.5	24
8	Rational re-design of <i>Lactobacillus reuteri</i> 121 inulosucrase for product chain length control. <i>RSC Advances</i> , 2019, 9, 14957-14965.	3.6	22
9	Characterisation of insoluble α -1,3- β -1,6 mixed linkage glucan produced in addition to soluble α -1,6-linked dextran by glucansucrase (DEX-N) from <i>Leuconostoc citreum</i> ABK-1. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 473-482.	7.5	21
10	Highly porous core-shell chitosan beads with superb immobilization efficiency for <i>Lactobacillus reuteri</i> 121 inulosucrase and production of inulin-type fructooligosaccharides. <i>RSC Advances</i> , 2018, 8, 17008-17016.	3.6	20
11	Temperature-dependent inulin nanoparticles synthesized by <i>Lactobacillus reuteri</i> 121 inulosucrase and complex formation with flavonoids. <i>Carbohydrate Polymers</i> , 2019, 223, 115044.	10.2	20
12	Production and purification of mannan oligosaccharide with epithelial tight junction enhancing activity. <i>PeerJ</i> , 2019, 7, e7206.	2.0	20
13	Conserved Calcium-Binding Residues at the Ca-I Site Involved in Fructooligosaccharide Synthesis by <i>Lactobacillus reuteri</i> 121 Inulosucrase. <i>ACS Omega</i> , 2020, 5, 28001-28011.	3.5	18
14	Characterization of a nanoparticulate exopolysaccharide from <i>Leuconostoc holzapfelii</i> KM01 and its potential application in drug encapsulation. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 690-698.	7.5	17
15	Effect of alternan versus chitosan on the biological properties of human mesenchymal stem cells. <i>RSC Advances</i> , 2019, 9, 4370-4379.	3.6	12
16	Fisetin Inhibits Osteogenic Differentiation of Mesenchymal Stem Cells via the Inhibition of YAP. <i>Antioxidants</i> , 2021, 10, 879.	5.1	10
17	Modified properties of alternan polymers arising from deletion of SH3-like motifs in <i>Leuconostoc citreum</i> ABK-1 alternansucrase. <i>Carbohydrate Polymers</i> , 2019, 220, 103-109.	10.2	9
18	Preparation of Cross-Linked Enzyme Aggregates (CLEAs) of an Inulosucrase Mutant for the Enzymatic Synthesis of Inulin-Type Fructooligosaccharides. <i>Catalysts</i> , 2019, 9, 641.	3.5	8

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19	Galactomannan Pentasaccharide Produced from Copra Meal Enhances Tight Junction Integration of Epithelial Tissue through Activation of AMPK. <i>Biomedicines</i> , 2019, 7, 81.	3.2	6
20	Unravelling Regioselectivity of <i>Leuconostoc citreum</i> ABK-1 Alternansucrase by Acceptor Site Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3229.	4.1	5
21	Cross-linked levansucrase aggregates for fructooligosaccharide synthesis in fruit juices. <i>LWT - Food Science and Technology</i> , 2021, 150, 112080.	5.2	4
22	Synergistic enzyme cocktail between levansucrase and inulosucrase for superb levan-type fructooligosaccharide synthesis. <i>Enzyme and Microbial Technology</i> , 2022, 154, 109960.	3.2	4
23	Unraveling the effect of A143T, P205T and D244N mutations in β -galactosidase A on its catalytic activity and susceptibility to globotriaosylceramide and iminosugar 1-deoxygalactonojirimycin chaperone. <i>Journal of Molecular Liquids</i> , 2022, 353, 118790.	4.9	4
24	Fisetin glycosides synthesized by cyclodextrin glycosyltransferase from <i>Paenibacillus</i> sp. RB01: characterization, molecular docking, and antioxidant activity. <i>PeerJ</i> , 0, 10, e13467.	2.0	4
25	Levan-type fructooligosaccharides synthesis by novel levansucrase-inulosucrase fusion enzyme. <i>Biochemical Engineering Journal</i> , 2022, 185, 108524.	3.6	3
26	High surfactant-tolerant β -mannanase isolated from <i>Dynastes hercules</i> larvae excrement, and identification of its hotspot using site-directed mutagenesis and molecular dynamics simulations. <i>Enzyme and Microbial Technology</i> , 2022, 154, 109956.	3.2	2