Clarita Olvera

List of Publications by Year
in descending order

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30 papers	1,238 citations	394421 19 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1279 citing authors

#	Article	IF	Citations
1	Structureâ€“Function Relationship Studies of Multidomain Levansucrases from Leuconostocaceae Family. Microorganisms, 2022, 10, 889.	3.6	1
2	The molecular basis of the nonprocessive elongation mechanism in levansucrases. Journal of Biological Chemistry, 2021, 296, 100178.	3.4	16
3	Self-assembled high molecular weight inulin nanoparticles: Enzymatic synthesis, physicochemical and biological properties. Carbohydrate Polymers, 2019, 215, 160-169.	10.2	32
4	Understanding the transfer reaction network behind the non-processive synthesis of low molecular weight levan catalyzed by Bacillus subtilis levansucrase. Scientific Reports, 2018, 8, 15035.	3.3	34
5	Pickering emulsions co-stabilized by composite protein/ polysaccharide particle-particle interfaces: Impact on in vitro gastric stability. Food Hydrocolloids, 2018, 84, 282-291.	10.7	83
6	Recombinant expression of a laccase from Coriolopsis gallica in Pichia pastoris using a modified Î±-factor preproleader. Protein Expression and Purification, 2017, 136, 14-19.	1.3	7
7	Effect of differential processing of the native and recombinant Î±-amylase from Bacillus amyloliquefaciens JJC33M on specificity and enzyme properties. 3 Biotech, 2017, 7, 336.	2.2	2
8	Draft Genome Sequence of Leuconostoc citreum CW28 Isolated from Pozol, a Pre-Hispanic Fermented Corn Beverage. Genome Announcements, 2017, 5, .	0.8	3
9	Functional characterization of a novel Î²-fructofuranosidase from Bifidobacterium longum subsp. infantis ATCC 15697 on structurally diverse fructans. Journal of Applied Microbiology, 2016, 121, 263-276.	3.1	23
10	Size product modulation by enzyme concentration reveals two distinct levan elongation mechanisms inBacillus subtilislevansucrase. Glycobiology, 2016, 26, 377-385.	2.5	60
11	Synthesis of Fructooligosaccharides by IslA4, a truncated inulosucrase from Leuconostoc citreum. BMC Biotechnology, 2015, 15, 2.	3.3	17
12	Intrinsic Levanase Activity of Bacillus subtilis 168 Levansucrase (SacB). PLoS ONE, 2015, 10, e0143394.	2.5	34
13	Levan-type FOS production using a Bacillus licheniformis endolevanase. Process Biochemistry, 2014, 49, 783-790.	3.7	66
14	Design of Chimeric Levansucrases with Improved Transglycosylation Activity. Applied and Environmental Microbiology, 2012, 78, 1820-1825.	3.1	13
15	Isolation and characterization of new facultative alkaliphilic Bacillus flexus strains from maize processing waste water (nejayote). Letters in Applied Microbiology, 2011, 52, 413-419.	2.2	29
16	Molecular characterization of chloranilic acid degradation in Pseudomonas putida TQ07. Journal of Microbiology, 2011, 49, 974-980.	2.8	2
17	Production of functional oligosaccharides through limited acid hydrolysis of agave fructans. Food Chemistry, 2011, 129, 380-386.	8.2	76
18	Fructooligosaccharide production by a truncatedLeuconostoc citreuminulosucrase mutant. Biocatalysis and Biotransformation, 2010, 28, 51-59.	2.0	18

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19	An acceptor-substrate binding site determining glycosyl transfer emerges from mutant analysis of a plant vacuolar invertase and a fructosyltransferase. Plant Molecular Biology, 2009, 69, 47-56.	3.9	34
20	Enzymatic Hydrolysis of Fructans in the Tequila Production Process. Journal of Agricultural and Food Chemistry, 2009, 57, 5578-5585.	5.2	42
21	Functional role of the additional domains in inulosucrase (IslA) from Leuconostoc citreum CW28. BMC Biochemistry, 2008, 9, 6.	4.4	21
22	Selected mutations in Bacillus subtilis levansucrase semi-conserved regions affecting its biochemical properties. Protein Engineering, Design and Selection, 2008, 21, 589-595.	2.1	62
23	Molecular characterization of sucrose: sucrose 1-fructosyltransferase (1-SST) from Agave tequilana Weber var. azul.. Plant Science, 2007, 173, 478-486.	3.6	27
24	Role of the C-terminal region of dextransucrase from Leuconostoc mesenteroides IBT-PQ in cell anchoring. Microbiology (United Kingdom), 2007, 153, 3994-4002.	1.8	12
25	Structural and functional features of fructansucrases present in Leuconostoc mesenteroides ATCC 8293. Antonie Van Leeuwenhoek, 2007, 92, 11-20.	1.7	50
26	Identification and functional characterization of levS, a gene encoding for a levansucrase from Leuconostoc mesenteroides NRRL B-512 F. Gene, 2006, 376, 59-67.	2.2	52
27	Monorhamnolipids and 3-(3-hydroxyalkanoyloxy)alkanoic acids (HAAs) production using Escherichia coli as a heterologous host. Applied Microbiology and Biotechnology, 2006, 73, 187-194.	3.6	100
28	Molecular Characterization of Inulosucrase from Leuconostoc citreum : a Fructosyltransferase within a Glucosyltransferase. Journal of Bacteriology, 2003, 185, 3606-3612.	2.2	82
29	Cloning and functional characterization of the Pseudomonas aeruginosa rhlC gene that encodes rhamnosyltransferase 2, an enzyme responsible for di-rhamnolipid biosynthesis. Molecular Microbiology, 2001, 40, 708-718.	2.5	237
30	The Pseudomonas aeruginosa algC gene product participates in rhamnolipid biosynthesis. FEMS Microbiology Letters, 1999, 179, 85-90.	1.8	3