

# 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	Cloning and functional characterization of the <i>Pseudomonas aeruginosa</i> rhlC gene that encodes rhamnosyltransferase 2, an enzyme responsible for di-rhamnolipid biosynthesis. <i>Molecular Microbiology</i> , 2001, 40, 708-718.	2.5	237
2	Monorhamnolipids and 3-(3-hydroxyalkanoyloxy)alkanoic acids (HAAs) production using <i>Escherichia coli</i> as a heterologous host. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 187-194.	3.6	100
3	Pickering emulsions co-stabilized by composite protein/ polysaccharide particle-particle interfaces: Impact on in vitro gastric stability. <i>Food Hydrocolloids</i> , 2018, 84, 282-291.	10.7	83
4	Molecular Characterization of Inulosucrase from <i>Leuconostoc citreum</i> : a Fructosyltransferase within a Glucosyltransferase. <i>Journal of Bacteriology</i> , 2003, 185, 3606-3612.	2.2	82
5	Production of functional oligosaccharides through limited acid hydrolysis of agave fructans. <i>Food Chemistry</i> , 2011, 129, 380-386.	8.2	76
6	Levan-type FOS production using a <i>Bacillus licheniformis</i> endolevanase. <i>Process Biochemistry</i> , 2014, 49, 783-790.	3.7	66
7	Selected mutations in <i>Bacillus subtilis</i> levansucrase semi-conserved regions affecting its biochemical properties. <i>Protein Engineering, Design and Selection</i> , 2008, 21, 589-595.	2.1	62
8	Size product modulation by enzyme concentration reveals two distinct levan elongation mechanisms in <i>Bacillus subtilis</i> levansucrase. <i>Glycobiology</i> , 2016, 26, 377-385.	2.5	60
9	Identification and functional characterization of levS, a gene encoding for a levansucrase from <i>Leuconostoc mesenteroides</i> NRRL B-512 F. <i>Gene</i> , 2006, 376, 59-67.	2.2	52
10	Structural and functional features of fructansucrases present in <i>Leuconostoc mesenteroides</i> ATCC 8293. <i>Antonie Van Leeuwenhoek</i> , 2007, 92, 11-20.	1.7	50
11	Enzymatic Hydrolysis of Fructans in the Tequila Production Process. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 5578-5585.	5.2	42
12	An acceptor-substrate binding site determining glycosyl transfer emerges from mutant analysis of a plant vacuolar invertase and a fructosyltransferase. <i>Plant Molecular Biology</i> , 2009, 69, 47-56.	3.9	34
13	Understanding the transfer reaction network behind the non-processive synthesis of low molecular weight levan catalyzed by <i>Bacillus subtilis</i> levansucrase. <i>Scientific Reports</i> , 2018, 8, 15035.	3.3	34
14	Intrinsic Levanase Activity of <i>Bacillus subtilis</i> 168 Levansucrase (SacB). <i>PLoS ONE</i> , 2015, 10, e0143394.	2.5	34
15	Self-assembled high molecular weight inulin nanoparticles: Enzymatic synthesis, physicochemical and biological properties. <i>Carbohydrate Polymers</i> , 2019, 215, 160-169.	10.2	32
16	Isolation and characterization of new facultative alkaliphilic <i>Bacillus flexus</i> strains from maize processing waste water (nejayote). <i>Letters in Applied Microbiology</i> , 2011, 52, 413-419.	2.2	29
17	Molecular characterization of sucrose: sucrose 1-fructosyltransferase (1-SST) from <i>Agave tequilana</i> Weber var. azul.. <i>Plant Science</i> , 2007, 173, 478-486.	3.6	27
18	Functional characterization of a novel $\beta$ -fructofuranosidase from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697 on structurally diverse fructans. <i>Journal of Applied Microbiology</i> , 2016, 121, 263-276.	3.1	23

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19	Functional role of the additional domains in inulosucrase (IslA) from <i>Leuconostoc citreum</i> CW28. <i>BMC Biochemistry</i> , 2008, 9, 6.	4.4	21
20	Fructooligosaccharide production by a truncated <i>Leuconostoc citreum</i> inulosucrase mutant. <i>Biocatalysis and Biotransformation</i> , 2010, 28, 51-59.	2.0	18
21	Synthesis of Fructooligosaccharides by IslA4, a truncated inulosucrase from <i>Leuconostoc citreum</i> . <i>BMC Biotechnology</i> , 2015, 15, 2.	3.3	17
22	The molecular basis of the nonprocessive elongation mechanism in levansucrases. <i>Journal of Biological Chemistry</i> , 2021, 296, 100178.	3.4	16
23	Design of Chimeric Levansucrases with Improved Transglycosylation Activity. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1820-1825.	3.1	13
24	Role of the C-terminal region of dextransucrase from <i>Leuconostoc mesenteroides</i> IBT-PQ in cell anchoring. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3994-4002.	1.8	12
25	Recombinant expression of a laccase from <i>Coriopsis gallica</i> in <i>Pichia pastoris</i> using a modified $\hat{\pm}$ -factor preproleader. <i>Protein Expression and Purification</i> , 2017, 136, 14-19.	1.3	7
26	Draft Genome Sequence of <i>Leuconostoc citreum</i> CW28 Isolated from Pozol, a Pre-Hispanic Fermented Corn Beverage. <i>Genome Announcements</i> , 2017, 5, .	0.8	3
27	The <i>Pseudomonas aeruginosa</i> algC gene product participates in rhamnolipid biosynthesis. <i>FEMS Microbiology Letters</i> , 1999, 179, 85-90.	1.8	3
28	Molecular characterization of chloranilic acid degradation in <i>Pseudomonas putida</i> TQ07. <i>Journal of Microbiology</i> , 2011, 49, 974-980.	2.8	2
29	Effect of differential processing of the native and recombinant $\hat{\pm}$ -amylase from <i>Bacillus amyloliquefaciens</i> JJC33M on specificity and enzyme properties. <i>3 Biotech</i> , 2017, 7, 336.	2.2	2
30	Structure-Function Relationship Studies of Multidomain Levansucrases from <i>Leuconostocaceae</i> Family. <i>Microorganisms</i> , 2022, 10, 889.	3.6	1