Susana V Valenzuela

List of Publications by Year
in descending order

31	771	471509 17	526287 27
papers	citations	h-index	g-index

31	31	31	1014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lytic polysaccharide monooxygenases and cellulases on the production of bacterial cellulose nanocrystals. European Polymer Journal, 2022, 163, 110939.	5.4	4
2	Microbiological and sensory characterization of kombucha SCOBY for culinary applications. International Journal of Gastronomy and Food Science, 2021, 23, 100314.	3.0	14
3	Oxidized Product Profiles of AA9 Lytic Polysaccharide Monooxygenases Depend on the Type of Cellulose. ACS Sustainable Chemistry and Engineering, 2021, 9, 14124-14133.	6.7	11
4	Differential antioxidant activity of glucuronoxylooligosaccharides (UXOS) and arabinoxylooligosaccharides (AXOS) produced by two novel xylanases. International Journal of Biological Macromolecules, 2020, 155, 1075-1083.	7.5	21
5	Development of an antimicrobial bioactive paper made from bacterial cellulose. International Journal of Biological Macromolecules, 2020, 158, 587-594.	7.5	26
6	Bacterial Celluloseâ€“Chitosan Paper with Antimicrobial and Antioxidant Activities. Biomacromolecules, 2020, 21, 1568-1577.	5.4	67
7	Bacterial cellulose matrices to develop enzymatically active paper. Cellulose, 2020, 27, 3413-3426.	4.9	12
8	Structural analysis of the reducingâ€end xyloseâ€releasing exoâ€oligoxylanase Rex8A from PaenibacillusÂbarcinonensis BPâ€23 deciphers its molecular specificity. FEBS Journal, 2020, 287, 5362-5374.	4.7	8
9	Unexplored lipolytic activity of Escherichia coli: Implications for lipase cloning. Enzyme and Microbial Technology, 2020, 139, 109590.	3.2	2
10	Laccase/TEMPO-mediated bacterial cellulose functionalization: production of paper-silver nanoparticles composite with antimicrobial activity. Cellulose, 2019, 26, 8655-8668.	4.9	20
11	Assessing the enzymatic effects of cellulases and LPMO in improving mechanical fibrillation of cotton linters. Biotechnology for Biofuels, 2019, 12, 161.	6.2	30
12	Microbial Cellulose from a Komagataeibacter intermedius Strain Isolated from Commercial Wine Vinegar. Journal of Polymers and the Environment, 2019, 27, 956-967.	5.0	22
13	Differential activity of lytic polysaccharide monooxygenases on celluloses of different crystallinity. Effectiveness in the sustainable production of cellulose nanofibrils. Carbohydrate Polymers, 2019, 207, 59-67.	10.2	39
14	Antioxidant activity of xylooligosaccharides produced from glucuronoxylan by Xyn10A and Xyn30D xylanases and eucalyptus autohydrolysates. Carbohydrate Polymers, 2018, 194, 43-50.	10.2	57
15	Bacterial cellulose for increasing barrier properties of paper products. Cellulose, 2018, 25, 6093-6105.	4.9	39
16	A bacterial GH6 cellobiohydrolase with a novel modular structure. Applied Microbiology and Biotechnology, 2017, 101, 2943-2952.	3.6	7
17	Fast purification method of functional LPMOs from Streptomyces ambofaciens by affinity adsorption. Carbohydrate Research, 2017, 448, 205-211.	2.3	21
18	The Glycoside Hydrolase Family 8 Reducing-End Xylose-Releasing Exo-oligoxylanase Rex8A from Paenibacillus barcinonensis BP-23 Is Active on Branched Xylooligosaccharides. Applied and Environmental Microbiology, 2016, 82, 5116-5124.	3.1	27

#	Article	IF	Citations
19	New GH16 Î²â€glucanase from Paenibacillus barcinonensis BPâ€23 releases a complex pattern of mixedâ€linkage oligomers from barley glucan. Biotechnology and Applied Biochemistry, 2016, 63, 51-56.	3.1	10
20	A newly discovered arabinoxylan-specific arabinofuranohydrolase. Synergistic action with xylanases from different glycosyl hydrolase families. Applied Microbiology and Biotechnology, 2016, 100, 1743-1751.	3.6	12
21	Structural Analysis of Glucuronoxylan-specific Xyn30D and Its Attached CBM35 Domain Gives Insights into the Role of Modularity in Specificity*. Journal of Biological Chemistry, 2014, 289, 31088-31101.	3.4	32
22	Xyn11E from Paenibacillus barcinonensis BP-23: a LppX-chaperone-dependent xylanase with potential for upgrading paper pulps. Applied Microbiology and Biotechnology, 2014, 98, 5949-5957.	3.6	22
23	Crystallization and preliminary X-ray diffraction analysis of Xyn30D fromPaenibacillus barcinonensis. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 963-966.	0.8	2
24	Effectiveness of novel xylanases belonging to different <scp>GH</scp> families on lignin and hexenuronic acids removal from specialty sisal fibres. Journal of Chemical Technology and Biotechnology, 2014, 89, 401-406.	3.2	9
25	Unusual carboxylesterase bearing a GGG(A)X-type oxyanion hole discovered in Paenibacillus barcinonensis BP-23. Biochimie, 2014, 104, 108-116.	2.6	4
26	A glucuronoxylan-specific xylanase from a new Paenibacillus favisporus strain isolated from tropical soil of Brazil. International Microbiology, 2014, 17, 175-84.	2.4	14
27	Modular Glucuronoxylan-Specific Xylanase with a Family CBM35 Carbohydrate-Binding Module. Applied and Environmental Microbiology, 2012, 78, 3923-3931.	3.1	59
28	Characterization of a Family GH5 Xylanase with Activity on Neutral Oligosaccharides and Evaluation as a Pulp Bleaching Aid. Applied and Environmental Microbiology, 2010, 76, 6290-6294.	3.1	58
29	Recombinant Expression of an Alkali Stable GH10 Xylanase from Paenibacillus barcinonensis. Journal of Agricultural and Food Chemistry, 2010, 58, 4814-4818.	5.2	49
30	AHL communication is a widespread phenomenon in biomining bacteria and seems to be involved in mineral-adhesion efficiency. Hydrometallurgy, 2008, 94, 133-137.	4.3	61
31	Cell-Cell Communication In Bacteria. , 2007, , 253-264.		12