

Susana V Valenzuela

List of Publications by Year in descending order

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31
papers

771
citations

471509

17
h-index

526287

27
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31
all docs

31
docs citations

31
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial Celluloseâ€™Chitosan Paper with Antimicrobial and Antioxidant Activities. <i>Biomacromolecules</i> , 2020, 21, 1568-1577.	5.4	67
2	AHL communication is a widespread phenomenon in biomining bacteria and seems to be involved in mineral-adhesion efficiency. <i>Hydrometallurgy</i> , 2008, 94, 133-137.	4.3	61
3	Modular Glucuronoxylan-Specific Xylanase with a Family CBM35 Carbohydrate-Binding Module. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3923-3931.	3.1	59
4	Characterization of a Family GH5 Xylanase with Activity on Neutral Oligosaccharides and Evaluation as a Pulp Bleaching Aid. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6290-6294.	3.1	58
5	Antioxidant activity of xylooligosaccharides produced from glucuronoxylan by Xyn10A and Xyn30D xylanases and eucalyptus autohydrolysates. <i>Carbohydrate Polymers</i> , 2018, 194, 43-50.	10.2	57
6	Recombinant Expression of an Alkali Stable GH10 Xylanase from <i>Paenibacillus barcinonensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4814-4818.	5.2	49
7	Bacterial cellulose for increasing barrier properties of paper products. <i>Cellulose</i> , 2018, 25, 6093-6105.	4.9	39
8	Differential activity of lytic polysaccharide monooxygenases on celluloses of different crystallinity. Effectiveness in the sustainable production of cellulose nanofibrils. <i>Carbohydrate Polymers</i> , 2019, 207, 59-67.	10.2	39
9	Structural Analysis of Glucuronoxylan-specific Xyn30D and Its Attached CBM35 Domain Gives Insights into the Role of Modularity in Specificity*. <i>Journal of Biological Chemistry</i> , 2014, 289, 31088-31101.	3.4	32
10	Assessing the enzymatic effects of cellulases and LPMO in improving mechanical fibrillation of cotton linters. <i>Biotechnology for Biofuels</i> , 2019, 12, 161.	6.2	30
11	The Glycoside Hydrolase Family 8 Reducing-End Xylose-Releasing Exo-oligoxyxylanase Rex8A from <i>Paenibacillus barcinonensis</i> BP-23 Is Active on Branched Xylooligosaccharides. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5116-5124.	3.1	27
12	Development of an antimicrobial bioactive paper made from bacterial cellulose. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 587-594.	7.5	26
13	Xyn11E from <i>Paenibacillus barcinonensis</i> BP-23: a LppX-chaperone-dependent xylanase with potential for upgrading paper pulps. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5949-5957.	3.6	22
14	Microbial Cellulose from a <i>Komagataeibacter intermedius</i> Strain Isolated from Commercial Wine Vinegar. <i>Journal of Polymers and the Environment</i> , 2019, 27, 956-967.	5.0	22
15	Fast purification method of functional LPMOs from <i>Streptomyces ambofaciens</i> by affinity adsorption. <i>Carbohydrate Research</i> , 2017, 448, 205-211.	2.3	21
16	Differential antioxidant activity of glucuronoxylooligosaccharides (UXOS) and arabinoxylooligosaccharides (AXOS) produced by two novel xylanases. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 1075-1083.	7.5	21
17	Laccase/TEMPO-mediated bacterial cellulose functionalization: production of paper-silver nanoparticles composite with antimicrobial activity. <i>Cellulose</i> , 2019, 26, 8655-8668.	4.9	20
18	Microbiological and sensory characterization of kombucha SCOBY for culinary applications. <i>International Journal of Gastronomy and Food Science</i> , 2021, 23, 100314.	3.0	14

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19	A glucuronoxylan-specific xylanase from a new <i>Paenibacillus favisporus</i> strain isolated from tropical soil of Brazil. <i>International Microbiology</i> , 2014, 17, 175-84.	2.4	14
20	Cell-Cell Communication In Bacteria. , 2007, , 253-264.		12
21	A newly discovered arabinoxylan-specific arabinofuranohydrolase. Synergistic action with xylanases from different glycosyl hydrolase families. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 1743-1751.	3.6	12
22	Bacterial cellulose matrices to develop enzymatically active paper. <i>Cellulose</i> , 2020, 27, 3413-3426.	4.9	12
23	Oxidized Product Profiles of AA9 Lytic Polysaccharide Monooxygenases Depend on the Type of Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14124-14133.	6.7	11
24	New GH16 β -glucanase from <i>Paenibacillus barcinonensis</i> BP-23 releases a complex pattern of mixed-linkage oligomers from barley glucan. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 51-56.	3.1	10
25	Effectiveness of novel xylanases belonging to different GH families on lignin and hexenuronic acids removal from specialty sisal fibres. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 401-406.	3.2	9
26	Structural analysis of the reducing xylose-releasing exo-oligoxyylanase Rex8A from <i>Paenibacillus barcinonensis</i> BP-23 deciphers its molecular specificity. <i>FEBS Journal</i> , 2020, 287, 5362-5374.	4.7	8
27	A bacterial GH6 cellobiohydrolase with a novel modular structure. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2943-2952.	3.6	7
28	Unusual carboxylesterase bearing a GGG(A)X-type oxyanion hole discovered in <i>Paenibacillus barcinonensis</i> BP-23. <i>Biochimie</i> , 2014, 104, 108-116.	2.6	4
29	Lytic polysaccharide monooxygenases and cellulases on the production of bacterial cellulose nanocrystals. <i>European Polymer Journal</i> , 2022, 163, 110939.	5.4	4
30	Crystallization and preliminary X-ray diffraction analysis of Xyn30D from <i>Paenibacillus barcinonensis</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 963-966.	0.8	2
31	Unexplored lipolytic activity of <i>Escherichia coli</i> : Implications for lipase cloning. <i>Enzyme and Microbial Technology</i> , 2020, 139, 109590.	3.2	2