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List of Publications by Year in descending order

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70
papers

2,594
citations

257101

24
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docs citations

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times ranked

3801
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1 α /Glycolysis-Dependent Axis. <i>Cell Metabolism</i> , 2020, 32, 437-446.e5.	7.2	578
2	Comparative genomics reveals high biological diversity and specific adaptations in the industrially and medically important fungal genus <i>Aspergillus</i> . <i>Genome Biology</i> , 2017, 18, 28.	3.8	417
3	Genomics Review of Holocellulose Deconstruction by <i>Aspergilli</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2014, 78, 588-613.	2.9	99
4	Functional characterization and synergic action of fungal xylanase and arabinofuranosidase for production of xylooligosaccharides. <i>Bioresource Technology</i> , 2012, 119, 293-299.	4.8	86
5	High-yield secretion of multiple client proteins in <i>Aspergillus</i> . <i>Enzyme and Microbial Technology</i> , 2012, 51, 100-106.	1.6	72
6	A novel thermostable xylanase GH10 from <i>Malbranchea pulchella</i> expressed in <i>Aspergillus nidulans</i> with potential applications in biotechnology. <i>Biotechnology for Biofuels</i> , 2014, 7, 115.	6.2	60
7	An integrated approach to obtain xylo-oligosaccharides from sugarcane straw: From lab to pilot scale. <i>Bioresource Technology</i> , 2020, 313, 123637.	4.8	52
8	Heterologous expression of an <i>Aspergillus niveus</i> xylanase GH11 in <i>Aspergillus nidulans</i> and its characterization and application. <i>Process Biochemistry</i> , 2011, 46, 1236-1242.	1.8	50
9	Biomass-to-bio-products application of feruloyl esterase from <i>Aspergillus clavatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6759-6767.	1.7	49
10	Functional characterization and oligomerization of a recombinant xyloglucan-specific endo- β -1,4-glucanase (GH12) from <i>Aspergillus niveus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 461-467.	1.1	45
11	Development of hemicellulolytic enzyme mixtures for plant biomass deconstruction on target biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8513-8525.	1.7	44
12	Xylooligosaccharides production from a sugarcane biomass mixture: Effects of commercial enzyme combinations on bagasse/straw hydrolysis pretreated using different strategies. <i>Food Research International</i> , 2020, 128, 108702.	2.9	42
13	Comparative analysis of three hyperthermophilic GH1 and GH3 family members with industrial potential. <i>New Biotechnology</i> , 2015, 32, 13-20.	2.4	38
14	Effect of hemicellulolytic enzymes to improve sugarcane bagasse saccharification and xylooligosaccharides production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 131, 36-46.	1.8	38
15	Purification and Partial Characterization of an Exo-polygalacturonase from <i>Paecilomyces variotii</i> Liquid Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 1496-1507.	1.4	34
16	Xyloglucan breakdown by endo-xyloglucanase family 74 from <i>Aspergillus fumigatus</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 2893-2903.	1.7	33
17	Properties of a purified thermostable glucoamylase from <i>Aspergillus niveus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1439-1446.	1.4	32
18	Assembling a xylanase-lichenase chimera through all-atom molecular dynamics simulations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1492-1500.	1.1	32

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19	Cloning, heterologous expression and biochemical characterization of a non-specific endoglucanase family 12 from <i>Aspergillus terreus</i> NIH2624. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 395-403.	1.1	32
20	Purification and functional properties of a novel glucoamylase activated by manganese and lead produced by <i>Aspergillus japonicus</i> . <i>International Journal of Biological Macromolecules</i> , 2017, 102, 779-788.	3.6	32
21	Genomic and Phenotypic Analysis of COVID-19-Associated Pulmonary <i>Aspergillus fumigatus</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0001021.	1.2	31
22	Development of a chimeric hemicellulase to enhance the xylose production and thermotolerance. <i>Enzyme and Microbial Technology</i> , 2015, 69, 31-37.	1.6	29
23	The <i>Coptotermes gestroi</i> aldose reductase: a multipurpose enzyme for biorefinery applications. <i>Biotechnology for Biofuels</i> , 2017, 10, 4.	6.2	27
24	Xylan-specific carbohydrate-binding module belonging to family 6 enhances the catalytic performance of a GH11 endo-xylanase. <i>New Biotechnology</i> , 2016, 33, 467-472.	2.4	26
25	Enhanced xyloglucan-specific endo- β -1,4-glucanase efficiency in an engineered CBM44-XegA chimera. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5095-5107.	1.7	25
26	Mapping N-linked glycosylation of carbohydrate-active enzymes in the secretome of <i>Aspergillus nidulans</i> grown on lignocellulose. <i>Biotechnology for Biofuels</i> , 2016, 9, 168.	6.2	25
27	Characterization of PbPga1, an Antigenic GPI-Protein in the Pathogenic Fungus <i>Paracoccidioides brasiliensis</i> . <i>PLoS ONE</i> , 2012, 7, e44792.	1.1	24
28	Co-cultivation of <i>Aspergillus nidulans</i> Recombinant Strains Produces an Enzymatic Cocktail as Alternative to Alkaline Sugarcane Bagasse Pretreatment. <i>Frontiers in Microbiology</i> , 2016, 7, 583.	1.5	23
29	Optimization of cello-oligosaccharides production by enzymatic hydrolysis of hydrothermally pretreated sugarcane straw using cellulolytic and oxidative enzymes. <i>Biomass and Bioenergy</i> , 2020, 141, 105697.	2.9	23
30	Two structurally discrete GH7-cellobiohydrolases compete for the same cellulosic substrate fiber. <i>Biotechnology for Biofuels</i> , 2012, 5, 21.	6.2	22
31	Purification and biochemical characterization of a novel β -glucosidase from <i>Aspergillus niveus</i> . <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 569-578.	0.7	21
32	Biochemical characterization of an endoxylanase from <i>Pseudozyma brasiliensis</i> sp. nov. strain GHG001 isolated from the intestinal tract of Chrysomelidae larvae associated to sugarcane roots. <i>Process Biochemistry</i> , 2014, 49, 77-83.	1.8	21
33	Structural and functional characterization of a highly secreted β -l-arabinofuranosidase (GH62) from <i>Aspergillus nidulans</i> grown on sugarcane bagasse. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1758-1769.	1.1	19
34	The functional properties of a xyloglucanase (GH12) of <i>Aspergillus terreus</i> expressed in <i>Aspergillus nidulans</i> may increase performance of biomass degradation. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9133-9144.	1.7	17
35	Purification, partial characterization, and covalent immobilization-stabilization of an extracellular β -amylase from <i>Aspergillus niveus</i> . <i>Folia Microbiologica</i> , 2013, 58, 495-502.	1.1	16
36	On the roles of AA15 lytic polysaccharide monooxygenases derived from the termite <i>Coptotermes gestroi</i> . <i>Journal of Inorganic Biochemistry</i> , 2021, 216, 111316.	1.5	16

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37	Biotechnological potential of alternative carbon sources for production of pectinases by <i>Rhizopus microsporus</i> var. <i>rhizopodiformis</i> . <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 141-148.	0.5	15
38	Understanding the function of conserved variations in the catalytic loops of fungal glycoside hydrolase family 12. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1494-1505.	1.7	15
39	The secretome of two representative lignocellulose-decay basidiomycetes growing on sugarcane bagasse solid-state cultures. <i>Enzyme and Microbial Technology</i> , 2019, 130, 109370.	1.6	15
40	Multi-omics analysis provides insights into lignocellulosic biomass degradation by <i>Laetiporus sulphureus</i> ATCC 52600. <i>Biotechnology for Biofuels</i> , 2021, 14, 96.	6.2	15
41	Functional properties of a manganese-activated exo-polygalacturonase produced by a thermotolerant fungus <i>Aspergillus niveus</i> . <i>Folia Microbiologica</i> , 2013, 58, 615-621.	1.1	14
42	Biochemical Characterization, Thermal Stability, and Partial Sequence of a Novel Exo-Polygalacturonase from the Thermophilic Fungus <i>Rhizomucor pusillus</i> A13.36 Obtained by Submerged Cultivation. <i>BioMed Research International</i> , 2016, 2016, 1-10.	0.9	14
43	Heterologous expression and functional characterization of a GH10 endoxylanase from <i>Aspergillus fumigatus</i> var. <i>niveus</i> with potential biotechnological application. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00382.	2.1	14
44	<i>Aspergillus fumigatus</i> . <i>Trends in Microbiology</i> , 2020, 28, 594-595.	3.5	14
45	Improvement of fungal arabinofuranosidase thermal stability by reversible immobilization. <i>Process Biochemistry</i> , 2012, 47, 2411-2417.	1.8	12
46	Co-immobilization of fungal endo-xylanase and α -L-arabinofuranosidase in glyoxyl agarose for improved hydrolysis of arabinoxylan. <i>Journal of Biochemistry</i> , 2013, 154, 275-280.	0.9	12
47	The Genome of a Thermo Tolerant, Pathogenic Albino <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1827.	1.5	12
48	The fungal metabolite eugenitin as additive for <i>Aspergillus niveus</i> glucoamylase activation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 74, 156-161.	1.8	11
49	β - $(1,4)$ -Amylase, but not β - and β - $(1,3)$ -glucanases, may be responsible for the impaired growth and morphogenesis of <i>Paracoccidioides brasiliensis</i> induced by N-glycosylation inhibition. <i>Yeast</i> , 2014, 31, 1-11.	0.8	11
50	Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by <i>Aspergillus niveus</i> . <i>International Journal of Food Engineering</i> , 2009, 5, .	0.7	10
51	<i>Toxoplasma gondii</i> Chitinase Induces Macrophage Activation. <i>PLoS ONE</i> , 2015, 10, e0144507.	1.1	10
52	Insights into the plant polysaccharide degradation potential of the xylanolytic yeast <i>Pseudozyma brasiliensis</i> . <i>FEMS Yeast Research</i> , 2016, 16, fov117.	1.1	10
53	Protein profile in <i>Aspergillus nidulans</i> recombinant strains overproducing heterologous enzymes. <i>Microbial Biotechnology</i> , 2018, 11, 346-358.	2.0	9
54	Improvement of homologous GH10 xylanase production by deletion of genes with predicted function in the <i>Aspergillus nidulans</i> secretion pathway. <i>Microbial Biotechnology</i> , 2020, 13, 1245-1253.	2.0	9

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55	Tunicamycin inhibition of N-glycosylation of β -glucosidase from <i>Aspergillus niveus</i> : partial influence on biochemical properties. <i>Biotechnology Letters</i> , 2010, 32, 1449-1455.	1.1	8
56	Molecular basis of substrate recognition and specificity revealed in family 12 glycoside hydrolases. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2577-2586.	1.7	8
57	An alkaline active feruloyl-CoA synthetase from soil metagenome as a potential key enzyme for lignin valorization strategies. <i>PLoS ONE</i> , 2019, 14, e0212629.	1.1	7
58	Editorial: CAZymes in Biorefinery: From Genes to Application. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 622817.	2.0	7
59	Oxidative cleavage of polysaccharides by a termite-derived <i>superoxide dismutase</i> boosts the degradation of biomass by glycoside hydrolases. <i>Green Chemistry</i> , 2022, 24, 4845-4858.	4.6	7
60	Redesigning N-glycosylation sites in a GH3 β -xylosidase improves the enzymatic efficiency. <i>Biotechnology for Biofuels</i> , 2019, 12, 269.	6.2	6
61	Lysine acetylation as drug target in fungi: an underexplored potential in <i>Aspergillus</i> spp.. <i>Brazilian Journal of Microbiology</i> , 2020, 51, 673-683.	0.8	6
62	Editorial: Advances in the Regulation and Production of Fungal Enzymes by Transcriptomics, Proteomics and Recombinant Strains Design. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 157.	2.0	5
63	A novel mechanism of β -glucosidase stimulation through a monosaccharide binding-induced conformational change. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1188-1196.	3.6	5
64	Applying biochemical and structural characterization of hydroxycinnamate catabolic enzymes from soil metagenome for lignin valorization strategies. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2503-2516.	1.7	5
65	Endo-xylanase GH11 activation by the fungal metabolite eugenitin. <i>Biotechnology Letters</i> , 2012, 34, 1487-1492.	1.1	3
66	Structural model and functional properties of an exo-polygalacturonase from <i>Neosartorya glabra</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 186, 909-918.	3.6	3
67	Immobilization of a recombinant endo-1,5-arabinanase secreted by <i>Aspergillus nidulans</i> strain A773. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, , .	1.8	2
68	Pectinases Produced by Microorganisms. , 2013, , .		2
69	The periplasmic expression and purification of AA15 lytic polysaccharide monooxygenases from insect species in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2022, 190, 105994.	0.6	2
70	Deletion of AA9 Lytic Polysaccharide Monooxygenases Impacts <i>A. nidulans</i> Secretome and Growth on Lignocellulose. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	2