Maria de Lourdes Polizeli

List of Publications by Citations

158 papers	3,911 citations	30 h-index	56 g-index
162 ext. papers	4,343 ext. citations	4 avg, IF	5.24 L-index

#	Paper	IF	Citations
158	Xylanases from fungi: properties and industrial applications. *Applied Microbiology and Biotechnology*, **2005**, 67, 577-91	5.7	932
157	Beta-glucosidase activity from the thermophilic fungus Scytalidium thermophilum is stimulated by glucose and xylose. *FEMS Microbiology Letters*, **2004**, 240, 137-43	2.9	109
156	Purification and properties of a thermostable extracellular beta-D-xylosidase produced by a thermotolerant Aspergillus phoenicis. *Journal of Industrial Microbiology and Biotechnology*, **2001**, 26, 156-60	4.2	107
155	Biological pretreatment of Eucalyptus grandis sawdust with white-rot fungi: Study of degradation patterns and saccharification kinetics. *Chemical Engineering Journal*, **2014**, 258, 240-246	14.7	92
154	Trehalases and trehalose hydrolysis in fungi. *FEMS Microbiology Letters*, **1997**, 154, 165-71	2.9	90
153	Purification and biochemical characterization of two xylanases produced by Aspergillus caespitosus and their potential for kraft pulp bleaching. *Process Biochemistry*, **2005**, 40, 1823-1828	4.8	77
152	Effect of phenolic compounds from pretreated sugarcane bagasse on cellulolytic and hemicellulolytic activities. *Bioresource Technology*, **2016**, 199, 275-278	11	70
151	Production and characterization of a thermostable extracellular □d-fructofuranosidase produced by Aspergillus ochraceus with agroindustrial residues as carbon sources. *Enzyme and Microbial Technology*, **2007**, 42, 52-57	3.8	66
150	Endophytic fungi: expanding the arsenal of industrial enzyme producers. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 1467-78	4.2	64
149	Screening of filamentous fungi for production of enzymes of biotechnological interest. *Brazilian Journal of Microbiology*, **2006**, 37, 474-480	2.2	64
148	A highly reusable MANAE-agarose-immobilized Pleurotus ostreatus laccase for degradation of bisphenol A. *Science of the Total Environment*, **2018**, 634, 1346-1351	10.2	60
147	Nanocellulose Production: Exploring the Enzymatic Route and Residues of Pulp and Paper Industry. *Molecules*, **2020**, 25,	4.8	60
146	Xylanases from Aspergillus niger, Aspergillus niveus and Aspergillus ochraceus produced under solid-state fermentation and their application in cellulose pulp bleaching. *Bioprocess and Biosystems Engineering*, **2009**, 32, 819-24	3.7	55
145	A novel thermostable xylanase GH10 from Malbranchea pulchella expressed in Aspergillus nidulans with potential applications in biotechnology. *Biotechnology for Biofuels*, **2014**, 7, 115	7.8	54
144	Studies on a thermostable alpha-amylase from the thermophilic fungus Scytalidium thermophilum. *Applied Microbiology and Biotechnology*, **2003**, 61, 323-8	5.7	54
143	Purification and characterization of a thermostable □amylase produced by the fungus Paecilomyces variotii. *Carbohydrate Research*, **2010**, 345, 2348-53	2.9	51
142	Production of □fructofuranosidases by Aspergillus niveus using agroindustrial residues as carbon sources: Characterization of an intracellular enzyme accumulated in the presence of glucose. *Process Biochemistry*, **2009**, 44, 237-241	4.8	47

141	Heterologous expression of an Aspergillus niveus xylanase GH11 in Aspergillus nidulans and its characterization and application. *Process Biochemistry*, **2011**, 46, 1236-1242	4.8	45
140	Effect of carbon source on the biochemical properties of β-xylosidases produced by Aspergillus versicolor. *Process Biochemistry*, **2004**, 39, 1931-1938	4.8	45
139	Engineering bifunctional laccase-xylanase chimeras for improved catalytic performance. *Journal of Biological Chemistry*, **2011**, 286, 43026-38	5.4	42
138	Production of thermostable invertases by Aspergillus caespitosus under submerged or solid state fermentation using agroindustrial residues as carbon source. *Brazilian Journal of Microbiology*, **2009** , 40, 612-622	2.2	41
137	Functional characterization and oligomerization of a recombinant xyloglucan-specific endo-β1,4-glucanase (GH12) from Aspergillus niveus. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2012**, 1824, 461-7	4	39
136	Multi-step approach to add value to corncob: Production of biomass-degrading enzymes, lignin and fermentable sugars. *Bioresource Technology*, **2018**, 247, 582-590	11	37
135	Purification and biochemical characterization of a thermostable extracellular glucoamylase produced by the thermotolerant fungus Paecilomyces variotii. *Journal of Industrial Microbiology and Biotechnology*, **2008**, 35, 17-25	4.2	37
134	Bioprocess and biotecnology: effect of xylanase from Aspergillus niger and Aspergillus flavus on pulp biobleaching and enzyme production using agroindustrial residues as substract. *SpringerPlus*, **2013**, 2, 380		36
133	Production of xylanase by Aspergilli using alternative carbon sources: application of the crude extract on cellulose pulp biobleaching. *Journal of Industrial Microbiology and Biotechnology*, **2009**, 36, 149-55	4.2	34
132	Production of xylanase and β-xylosidase from autohydrolysis liquor of corncob using two fungal strains. *Bioprocess and Biosystems Engineering*, **2012**, 35, 1185-92	3.7	33
131	Extracellular beta-D-glucosidase from Chaetomium thermophilum var. coprophilum: production, purification and some biochemical properties. *Journal of Basic Microbiology*, **2002**, 42, 55-66	2.7	33
130	Thermostable glucose-tolerant glucoamylase produced by the thermophilic fungus Scytalidium thermophilum. *Folia Microbiologica*, **2001**, 46, 11-6	2.8	33
129	Influence of volumetric oxygen transfer coefficient (kLa) on xylanases batch production by Aspergillus niger van Tieghem in stirred tank and internal-loop airlift bioreactors. *Biochemical Engineering Journal*, **2013**, 80, 19-26	4.2	30
128	Production of fibrolytic enzymes by Aspergillus japonicus C03 using agro-industrial residues with potential application as additives in animal feed. *Bioprocess and Biosystems Engineering*, **2011**, 34, 347-55	3.7	30
127	Rhizopus microsporus var. rhizopodiformis: a thermotolerant fungus with potential for production of thermostable amylases. *International Microbiology*, **2003**, 6, 269-73	3	30
126	Purification and partial characterization of an exo-polygalacturonase from Paecilomyces variotii liquid cultures. *Applied Biochemistry and Biotechnology*, **2010**, 160, 1496-507	3.2	29
125	Xylanase and β-xylosidase production by Aspergillus ochraceus: new perspectives for the application of wheat straw autohydrolysis liquor. *Applied Biochemistry and Biotechnology*, **2012**, 166, 336-47	3.2	26
124	Production and properties of xylanases from Aspergillus terricola Marchal and Aspergillus ochraceus and their use in cellulose pulp bleaching. *Bioprocess and Biosystems Engineering*, **2010**, 33, 813-21	3.7	26

123	Purification and functional properties of a novel glucoamylase activated by manganese and lead produced by Aspergillus japonicus. *International Journal of Biological Macromolecules*, **2017**, 102, 779-788	7.9	24
122	Properties of a purified thermostable glucoamylase from Aspergillus niveus. *Journal of Industrial Microbiology and Biotechnology*, **2009**, 36, 1439-46	4.2	23
121	Biotechnological Potential of Agro-Industrial Wastes as a Carbon Source to Thermostable Polygalacturonase Production in Aspergillus niveus. *Enzyme Research*, **2011**, 2011, 289206	2.4	23
120	Characterization and properties of acid phosphatases with phytase activity produced by Aspergillus caespitosus. *Biotechnology and Applied Biochemistry*, **2004**, 40, 201-7	2.8	23
119	Glucoamylase activity from the thermophilic fungus Scytalidium thermophilum. Biochemical and regulatory properties. *Journal of Basic Microbiology*, **2000**, 40, 83-92	2.7	23
118	Immobilization and biochemical properties of a β-xylosidase activated by glucose/xylose from Aspergillus niger USP-67 with transxylosylation activity. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 89, 93-101		22
117	Enhanced xyloglucan-specific endo-β1,4-glucanase efficiency in an engineered CBM44-XegA chimera. *Applied Microbiology and Biotechnology*, **2015**, 99, 5095-107	5.7	22
116	Production of xylanolytic enzymes by Aspergillus terricola in stirred tank and airlift tower loop bioreactors. *Journal of Industrial Microbiology and Biotechnology*, **2011**, 38, 1979-84	4.2	22
115	Influence of temperature on the properties of the xylanolytic enzymes of the thermotolerant fungus Aspergillus phoenicis. *Journal of Industrial Microbiology and Biotechnology*, **2004**, 31, 88-93	4.2	22
114	Thermostable conidial and mycelial alkaline phosphatases from the thermophilic fungus Scytalidium thermophilum. *Journal of Industrial Microbiology and Biotechnology*, **2001**, 27, 265-70	4.2	22
113	Trametes versicolor laccase production using agricultural wastes: a comparative study in Erlenmeyer flasks, bioreactor and tray. *Bioprocess and Biosystems Engineering*, **2020**, 43, 507-514	3.7	22
112	Screening of filamentous fungi for lipase production: Hypocrea pseudokoningii a new producer with a high biotechnological potential. *Biocatalysis and Biotransformation*, **2014**, 32, 74-83	2.5	21
111	Stabilization of the lipase of Hypocrea pseudokoningii by multipoint covalent immobilization after chemical modification and application of the biocatalyst in oil hydrolysis. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 121, 82-89		20
110	Immobilization and high stability of an extracellular β-glucosidase from Aspergillus japonicus by ionic interactions. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 104, 95-100		20
109	Biochemical properties of glycosylation and characterization of a histidine acid phosphatase (phytase) expressed in Pichia pastoris. *Protein Expression and Purification*, **2014**, 99, 43-9	2	20
108	Immobilized lipase from Hypocrea pseudokoningii on hydrophobic and ionic supports: Determination of thermal and organic solvent stabilities for applications in the oleochemical industry. *Process Biochemistry*, **2015**, 50, 561-570	4.8	20
107	Effect of glycosylation on the biochemical properties of beta-xylosidases from Aspergillus versicolor. *Journal of Microbiology*, **2009**, 47, 270-6	3	20
106	A novel β-glucosidase from Chaetomium thermophilum var. coprophilum that converts maltose into trehalose: Purification and partial characterisation of the enzyme. *Process Biochemistry*, **2006**, 41, 1729-1735	4.8	20

105	Characterization of trehalase activities from the thermophilic fungus Scytalidium thermophilum. *Biochimica Et Biophysica Acta - General Subjects*, **1996**, 1291, 199-205	4	20
104	A novel glucoamylase activated by manganese and calcium produced in submerged fermentation by Aspergillus phoenicis. *Journal of Basic Microbiology*, **2014**, 54, 333-9	2.7	19
103	Co-cultivation of Aspergillus nidulans Recombinant Strains Produces an Enzymatic Cocktail as Alternative to Alkaline Sugarcane Bagasse Pretreatment. *Frontiers in Microbiology*, **2016**, 7, 583	5.7	19
102	Immobilized endo-xylanase of Aspergillus tamarii Kita: an interesting biological tool for production of xylooligosaccharides at high temperatures. *Process Biochemistry*, **2017**, 53, 145-152	4.8	18
101	Purification and biochemical characterization of a novel alpha-glucosidase from Aspergillus niveus. *Antonie Van Leeuwenhoek*, **2009**, 96, 569-78	2.1	18
100	Stimulation of hyphal growth in anaerobic cultures of Mucor rouxii by extracellular trehalose. Relevance of cell wall-bound activity of acid trehalase for trehalose utilization. *FEMS Microbiology Letters*, **2000**, 182, 9-13	2.9	18
99	Fungal communities differentially respond to warming and drought in tropical grassland soil. *Molecular Ecology*, **2020**, 29, 1550-1559	5.7	17
98	Evidence of thermostable amylolytic activity from Rhizopus microsporus var. rhizopodiformis using wheat bran and corncob as alternative carbon source. *Bioprocess and Biosystems Engineering*, **2008**, 31, 329-34	3.7	17
97	Prospecting fungal ligninases using corncob lignocellulosic fractions. *Cellulose*, **2017**, 24, 4355-4365	5.5	16
96	Acid and alkaline phosphatase activities of a fraction isolated from Parawixia bistriata spider venom. *Toxicon*, **2006**, 47, 854-8	2.8	16
95	Effects of temperature shifts on the activities of Neurospora crassa glycogen synthase, glycogen phosphorylase and trehalose-6-phosphate synthase. *FEBS Letters*, **1996**, 378, 32-6	3.8	16
94	Cellulose from Lignocellulosic Waste **2015**, 475-511		15
93	The functional properties of a xyloglucanase (GH12) of Aspergillus terreus expressed in Aspergillus nidulans may increase performance of biomass degradation. *Applied Microbiology and Biotechnology*, **2016**, 100, 9133-9144	5.7	14
92	Functional properties of a manganese-activated exo-polygalacturonase produced by a thermotolerant fungus Aspergillus niveus. *Folia Microbiologica*, **2013**, 58, 615-21	2.8	14
91	Beauveria bassiana Lipase A expressed in Komagataella (Pichia) pastoris with potential for biodiesel catalysis. *Frontiers in Microbiology*, **2015**, 6, 1083	5.7	14
90	A novel xylan degrading □D-xylosidase: purification and biochemical characterization. *World Journal of Microbiology and Biotechnology*, **2012**, 28, 3179-86	4.4	14
89	Optimization of fibrolytic enzyme production by Aspergillus japonicus C03 with potential application in ruminant feed and their effects on tropical forages hydrolysis. *Bioprocess and Biosystems Engineering*, **2011**, 34, 1027-38	3.7	14
88	Novel amylase-producing fungus hydrolyzing wheat and brewing residues, Aspergillus carbonarius, discovered in tropical forest remnant. *Folia Microbiologica*, **2020**, 65, 173-184	2.8	14

87	Purification and biochemical properties of multiple xylanases from Aspergillus ochraceus tolerant to Hg2+ ion and a wide range of pH. *Applied Biochemistry and Biotechnology*, **2014**, 174, 206-20	3.2	13
86	Purification, partial characterization, and covalent immobilization-stabilization of an extracellular □amylase from Aspergillus niveus. *Folia Microbiologica*, **2013**, 58, 495-502	2.8	13
85	Biotechnological potential of alternative carbon sources for production of pectinases by Rhizopus microsporus var. rhizopodiformis. *Brazilian Archives of Biology and Technology*, **2011**, 54, 141-148	1.8	13
84	Function and regulation of the acid and neutral trehalases of Mucor rouxii. *FEMS Microbiology Letters*, **1997**, 155, 73-77	2.9	13
83	Starch Biocatalyst Based on □Amylase-Mg/Al-Layered Double Hydroxide Nanohybrids. *ACS Applied Materials & Interfaces*, **2015**, 7, 18832-42	9.5	12
82	Characterization of a novel Aspergillus niger beta-glucosidase tolerant to saccharification of lignocellulosic biomass products and fermentation inhibitors. *Chemical Papers*, **2015**, 69,	1.9	12
81	Production of thermostable invertases by Aspergillus caespitosus under submerged or solid state fermentation using agroindustrial residues as carbon source. *Brazilian Journal of Microbiology*, **2009** , 40, 612-22	2.2	12
80	Sunflower stalk as a carbon source inductive for fungal xylanase production. *Industrial Crops and Products*, **2020**, 153, 112368	5.9	11
79	A Highly Glucose Tolerant □Glucosidase from Malbranchea pulchella (MpBg3) Enables Cellulose Saccharification. *Scientific Reports*, **2020**, 10, 6998	4.9	11
78	Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. *Bioelectrochemistry*, **2019**, 130, 107331	5.6	11
77	Purification and biochemical characterization of glucose-cellobiose-tolerant cellulases from Scytalidium thermophilum. *Folia Microbiologica*, **2013**, 58, 561-8	2.8	11
76	Co-immobilization of fungal endo-xylanase and □L-arabinofuranosidase in glyoxyl agarose for improved hydrolysis of arabinoxylan. *Journal of Biochemistry*, **2013**, 154, 275-80	3.1	11
75	Extracellular alkaline phosphatase from the filamentous fungus Aspergillus caespitosus: purification and biochemical characterization. *Folia Microbiologica*, **2003**, 48, 627-32	2.8	11
74	Effect of carbon source on alkaline phosphatase production and excretion in Aspergillus caespitosus. *Journal of Basic Microbiology*, **2003**, 43, 210-7	2.7	11
73	Efficient hydrolysis of wine and grape juice anthocyanins by Malbranchea pulchella □glucosidase immobilized on MANAE-agarose and ConA-Sepharose supports. *International Journal of Biological Macromolecules*, **2019**, 136, 1133-1141	7.9	10
72	A Halotolerant Endo-1,4-□Xylanase from Aspergillus clavatus with Potential Application for Agroindustrial Residues Saccharification. *Applied Biochemistry and Biotechnology*, **2020**, 191, 1111-1126	3.2	10
71	Bioprospection and characterization of the amylolytic activity by filamentous fungi from Brazilian Atlantic Forest. *Biota Neotropica*, **2017**, 17,		10
70	Improvement of fungal arabinofuranosidase thermal stability by reversible immobilization. *Process Biochemistry*, **2012**, 47, 2411-2417	4.8	10

69	Cyclodextrin glycosyltransferase from Bacillus licheniformis: optimization of production and its properties. *Brazilian Journal of Microbiology*, **2006**, 37, 317-323	2.2	10
68	The fungal metabolite eugenitin as additive for Aspergillus niveus glucoamylase activation. *Journal of Molecular Catalysis B: Enzymatic*, **2012**, 74, 156-161		9
67	Screening of thermotolerant and thermophilic fungi aiming β-xylosidase and arabinanase production. *Brazilian Journal of Microbiology*, **2014**, 45, 1459-67	2.2	9
66	Increase of the phytase production by Aspergillus japonicus and its biocatalyst potential on chicken feed treatment. *Journal of Basic Microbiology*, **2014**, 54 Suppl 1, S152-60	2.7	9
65	Characterization of a conidial alkaline phosphatase from the thermophilic fungus Humicola grisea var. thermoidea. *Journal of Basic Microbiology*, **1998**, 38, 85-94	2.7	9
64	Regulation of xylanase in Aspergillus phoenicis: a physiological and molecular approach. *Journal of Industrial Microbiology and Biotechnology*, **2008**, 35, 237-44	4.2	9
63	Biochemical characterisation of the trehalase of thermophilic fungi: an enzyme with mixed properties of neutral and acid trehalase. *Biochimica Et Biophysica Acta - General Subjects*, **2005**, 1723, 201-7	4	9
62	Fungal Community Ecology Using MALDI-TOF MS Demands Curated Mass Spectral Databases. *Frontiers in Microbiology*, **2019**, 10, 315	5.7	9
61	Production of Omegas-6 and 9 from the Hydrolysis of A□□and Buriti Oils by Lipase Immobilized on a Hydrophobic Support. *Molecules*, **2018**, 23,	4.8	9
60	Potential biodiesel production from Brazilian plant oils and spent coffee grounds by Beauveria bassiana lipase 1 expressed in Aspergillus nidulans A773 using different agroindustry inputs. *Journal of Cleaner Production*, **2020**, 256, 120513	10.3	8
59	Partial Purification and Characterization of a Thermostable β-Mannanase from Aspergillus foetidus. *Applied Sciences (Switzerland)*, **2015**, 5, 881-893	2.6	8
58	Effects of Aspergillus spp. exogenous fibrolytic enzymes on in vitro fermentation of tropical forages. *Journal of the Science of Food and Agriculture*, **2012**, 92, 2569-73	4.3	8
57	Biochemical properties of an extracellular trehalase from Malbranchea pulchella var. Sulfurea. *Journal of Microbiology*, **2011**, 49, 809-15	3	8
56	Regulation of pectic enzymes from the exo-1 mutant strain of Neurospora crassa: effects of glucose, galactose, and galacturonic acid. *Journal of Basic Microbiology*, **1998**, 38, 181-188	2.7	8
55	Purification and biochemical characterization of thermostable alkaline phosphatases produced by Rhizopus microsporus var. rhizopodiformis. *Folia Microbiologica*, **2008**, 53, 509-16	2.8	8
54	Biochemical Characterization, Thermal Stability, and Partial Sequence of a Novel Exo-Polygalacturonase from the Thermophilic Fungus A13.36 Obtained by Submerged Cultivation. *BioMed Research International*, **2016**, 2016, 8653583	3	8
53	Production of cellulase-free xylanase by Aspergillus flavus: Effect of polyols on the thermostability and its application on cellulose pulp biobleaching. *African Journal of Biotechnology*, **2015**, 14, 3368-3373	0.6	7
52	Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by Aspergillus niveus. *International Journal of Food Engineering*, **2009**, 5,	1.9	7

51	Mobilisation of trehalose in mutants of the cyclic AMP signalling pathway, cr-1 (CRISP-1) and mcb (microcycle conidiation), of Neurospora crassa. *FEMS Microbiology Letters*, **2001**, 199, 85-9	2.9	7
50	Characterization of multiple xylanase forms from Aspergillus tamarii resistant to phenolic compounds. *Mycosphere*, **2016**, 7, 1554-1567	10.9	7
49	The profile secretion of Aspergillus clavatus: Different pre-treatments of sugarcane bagasse distinctly induces holocellulases for the lignocellulosic biomass conversion into sugar. *Renewable Energy*, **2021**, 165, 748-757	8.1	7
48	Increased biomass saccharification by supplementation of a commercial enzyme cocktail with endo-arabinanase from Bacillus licheniformis. *Biotechnology Letters*, **2015**, 37, 1455-62	3	6
47	Mixture design of starchy substrates hydrolysis by an immobilized glucoamylase from Aspergillus brasiliensis. *Biocatalysis and Biotransformation*, **2018**, 36, 389-395	2.5	6
46	Tunicamycin inhibition of N-glycosylation of □glucosidase from Aspergillus niveus: partial influence on biochemical properties. *Biotechnology Letters*, **2010**, 32, 1449-55	3	6
45	Mycelial glucoamylases produced by the thermophilic fungus Scytalidium thermophilum strains 15.1 and 15.8: purification and biochemical characterization. *Brazilian Journal of Microbiology*, **2008**, 39, 344-352	2.2	6
44	Purification and biochemical characterization of ?-xylosidase from var. thermoidea. *FEMS Microbiology Letters*, **1995**, 130, 171-175	2.9	6
43	Prospection of Fungal Lignocellulolytic Enzymes Produced from Jatoba () and Tamarind () Seeds: Scaling for Bioreactor and Saccharification Profile of Sugarcane Bagasse. *Microorganisms*, **2021**, 9,	4.9	6
42	Prospecting of soybean hulls as an inducer carbon source for the cellulase production. *Preparative Biochemistry and Biotechnology*, **2018**, 48, 743-749	2.4	6
41	Enzymes Involved in the Biodegradation of Sugarcane Biomass: Challenges and Perspectives **2017**, 55-79		5
40	Neosartorya glabra polygalacturonase produced from fruit peels as inducers has the potential for application in passion fruit and apple juices. *Brazilian Journal of Food Technology*, **2017**, 20,	1.5	5
39	Different Covalent Immobilizations Modulate Lipase Activities of Hypocrea pseudokoningii. *Molecules*, **2017**, 22,	4.8	5
38	Characterization of galactose-induced extracellular and intracellular pectolytic activities from the exo-1 mutant strain of Neurospora crassa. *Journal of Industrial Microbiology and Biotechnology*, **1998**, 20, 238-243	4.2	5
37	Purification and biochemical characterization of a mycelial alkaline phosphatase without DNAase activity produced by Aspergillus caespitosus. *Folia Microbiologica*, **2007**, 52, 231-6	2.8	5
36	Characterisation of free and immobilised laccases from Ganoderma lucidum: application on bisphenol a degradation. *Biocatalysis and Biotransformation*, **2021**, 39, 71-80	2.5	5
35	Effect of enzymatic pretreatment of sugarcane bagasse with recombinant hemicellulases and esterase prior to the application of the cellobiohydrolase CBH I Megazyme□ . *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	4
34	Production and action of an Aspergillus phoenicis enzymatic pool using different carbon sources. *Brazilian Journal of Food Technology*, **2012**, 15, 253-260	1.5	4

33	Biochemical traits useful for the determination of genetic variation in a natural population of Myracrodruon urundeuva. *Pesquisa Agropecuaria Brasileira*, **2002**, 37, 909-916	1.8	4
32	Characterisation of an acid trehalase produced by the thermotolerant fungus Rhizopus microsporus var. rhizopodiformis: biochemical properties and immunochemical localisation. *FEMS Microbiology Letters*, **2005**, 251, 169-75	2.9	4
31	Increased □-glucosidase production and its application in agroindustrial residue hydrolysis: A research based on experimental designs. *Biotechnology Reports (Amsterdam, Netherlands)*, **2021**, 30, e00618	5.3	4
30	Screening and cocktail optimization using experimental mixture design: enzymatic saccharification as a biological pretreatment strategy. *Biofuels, Bioproducts and Biorefining*, **2021**, 15, 1447-1460	5.3	4
29	Holocellulase production by filamentous fungi: potential in the hydrolysis of energy cane and other sugarcane varieties. *Biomass Conversion and Biorefinery*,1	2.3	4
28	Fermentation pH in stirred tank and air-lift bioreactors affects phytase secretion by Aspergillus japonicus differently but not the particle size. *Biocatalysis and Biotransformation*, **2014**, 32, 39-44	2.5	3
27	Thermostable saccharogenic amylase produced under submerged fermentation by filamentous fungus Penicillium purpurogenum. *Brazilian Journal of Microbiology*, **2011**, 42, 1136-1140	2.2	3
26	Changes in N-acetyl galactosaminoglycan deacetylase levels during growth of Neurospora crassa: effect of L-sorbose on enzyme production. *Journal of Basic Microbiology*, **1999**, 39, 337-344	2.7	3
25	Biochemical characterization of a Ca2+-dependent acid trehalase activity from the thermophilic fungus Chaetomium thermophilum var. coprophilum. *FEMS Microbiology Letters*, **1999**, 171, 11-15	2.9	3
24	Challenges of Biomass Utilization for Bioenergy in a Climate Change Scenario.. *Biology*, **2021**, 10,	4.9	3
23	Perspectives on Exploring Denitrifying Fungi as a Model To Evaluate Nitrous Oxide Production and Reduce Emissions from Agricultural Soils. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 12153-12154	5.7	2
22	Endo-xylanase GH11 activation by the fungal metabolite eugenitin. *Biotechnology Letters*, **2012**, 34, 1487-92	2.5	2
21	(1,3)-beta-D-glucan synthase activity in mycelial and cell wall-less phenotypes of the fz, sg, os-1 ("slime") mutant strain of Neurospora crassa. *Experimental Mycology*, **1995**, 19, 35-47		2
20	Purification and characterization of galactose-induced pectinases from the exo-1 mutant strain of Neurospora crassa. *Progress in Biotechnology*, **1996**, 14, 787-792		2
19	Saccharification of different sugarcane bagasse varieties by enzymatic cocktails produced by Mycothermus thermophilus and Trichoderma reesei RP698 cultures in agro-industrial residues. *Energy*, **2021**, 226, 120360	7.9	2
18	Enzymatic Pretreatment with Laccases from Induces Structural Modification in Lignin and Enhances the Digestibility of Tropical Forage Grass () Grown under Future Climate Conditions. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
17	Fungal Lipases: Versatile Tools for White Biotechnology. *Fungal Biology*, **2019**, 361-404	2.3	1
16	Cold-Active Lytic Enzymes and Their Applicability in the Biocontrol of Postharvest Fungal Pathogens. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 6461-6463	5.7	1

15	Matrix Discriminant Analysis Evidenced Surface-Lithium as an Important Factor to Increase the Hydrolytic Saccharification of Sugarcane Bagasse. *Molecules*, **2019**, 24,	4.8	1
14	Immobilization of a recombinant endo-1,5-arabinanase secreted by Aspergillus nidulans strain A773. *Journal of Molecular Catalysis B: Enzymatic*, **2012**,		1
13	Pectinases Produced by Microorganisms **2013**,		1
12	Climate change affects cell-wall structure and hydrolytic performance of a perennial grass as an energy crop. *Biofuels, Bioproducts and Biorefining*,	5.3	1
11	Anaerobic digestion of cornmeal I the effect of crude enzyme extract and co-digestion with cow manure. *Biofuels, Bioproducts and Biorefining*,	5.3	1
10	Biochemical characterization of glucoamylase from the hyperproducer exo-1 mutant strain of Neurospora crassa		1
9	Perspectives on Expanding the Repertoire of Novel Microbial Chitinases for Biological Control. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 3284-3288	5.7	1
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