# Maria de Lourdes Polizeli

List of Publications by Year
in descending order



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|---|---|---|---|
| 162 papers | 4,919 citations | 117625 34 h-index | 118850 62 g-index |
| 162 all docs | 162 docs citations | 162 times ranked | 4605 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Xylanases from fungi: properties and industrial applications. Applied Microbiology and Biotechnology, 2005, 67, 577-591. | 3.6 | 1,081 |
| 2 | ÃŽÂ²-Glucosidase activity from the thermophilic fungusScytalidium thermophilumis stimulated by glucose and xylose. FEMS Microbiology Letters, 2004, 240, 137-143. | 1.8 | 122 |
| 3 | Purification and properties of a thermostable extracellular ?- D -xylosidase produced by a thermotolerant Aspergillus phoenicis. Journal of Industrial Microbiology and Biotechnology, 2001, 26, 156-160. | 3.0 | 121 |
| 4 | Biological pretreatment of Eucalyptus grandis sawdust with white-rot fungi: Study of degradation patterns and saccharification kinetics. Chemical Engineering Journal, 2014, 258, 240-246. | 12.7 | 121 |
| 5 | Trehalases and trehalose hydrolysis in fungi. FEMS Microbiology Letters, 2006, 154, 165-171. | 1.8 | 105 |
| 6 | Nanocellulose Production: Exploring the Enzymatic Route and Residues of Pulp and Paper Industry. Molecules, 2020, 25, 3411. | 3.8 | 101 |
| 7 | Endophytic fungi: expanding the arsenal of industrial enzyme producers. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 1467-1478. | 3.0 | 91 |
| 8 | Purification and biochemical characterization of two xylanases produced by Aspergillus caespitosus and their potential for kraft pulp bleaching. Process Biochemistry, 2005, 40, 1823-1828. | 3.7 | 87 |
| 9 | Effect of phenolic compounds from pretreated sugarcane bagasse on cellulolytic and hemicellulolytic activities. Bioresource Technology, 2016, 199, 275-278. | 9.6 | 87 |
| 10 | Screening of filamentous fungi for production of enzymes of biotechnological interest. Brazilian Journal of Microbiology, 2006, 37, 474-480. | 2.0 | 84 |
| 11 | Production and characterization of a thermostable extracellular Î²-d-fructofuranosidase produced by Aspergillus ochraceus with agroindustrial residues as carbon sources. Enzyme and Microbial Technology, 2007, 42, 52-57. | 3.2 | 79 |
| 12 | A highly reusable MANAE-agarose-immobilized Pleurotus ostreatus laccase for degradation of bisphenol A. Science of the Total Environment, 2018, 634, 1346-1351. | 8.0 | 78 |
| 13 | Studies on a thermostable Î±-amylase from the thermophilic fungus Scytalidium thermophilum. Applied Microbiology and Biotechnology, 2003, 61, 323-328. | 3.6 | 71 |
| 14 | 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, 819-824. | 3.4 | 65 |
| 15 | Purification and characterization of a thermostable Î±-amylase produced by the fungus Paecilomyces variotii. Carbohydrate Research, 2010, 345, 2348-2353. | 2.3 | 60 |
| 16 | A novel thermostable xylanase GH10 from Malbranchea pulchella expressed in Aspergillus nidulans with potential applications in biotechnology. Biotechnology for Biofuels, 2014, 7, 115. | 6.2 | 60 |
| 17 | Editorial: Microbial Secondary Metabolites: Recent Developments and Technological Challenges. Frontiers in Microbiology, 2019, 10, 914. | 3.5 | 57 |
| 18 | Production of Î²-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. | 3.7 | 52 |

| # | Article | IF | Citations |
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| 19 | Engineering Bifunctional Laccase-Xylanase Chimeras for Improved Catalytic Performance. Journal of Biological Chemistry, 2011, 286, 43026-43038. | 3.4 | 52 |
| 20 | Effect of carbon source on the biochemical properties of Î²-xylosidases produced by Aspergillus versicolor. Process Biochemistry, 2004, 39, 1931-1938. | 3.7 | 50 |
| 21 | Heterologous expression of an Aspergillus niveus xylanase GH11 in Aspergillus nidulans and its characterization and application. Process Biochemistry, 2011, 46, 1236-1242. | 3.7 | 50 |
| 22 | 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. | 2.0 | 49 |
| 23 | Rhizopus microsporus var. rhizopodiformis : a thermotolerant fungus with potential for production of thermostable amylases. International Microbiology, 2003, 6, 269-273. | 2.4 | 48 |
| 24 | 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. | 3.0 | 47 |
| 25 | Functional characterization and oligomerization of a recombinant xyloglucan-specific endo-Î²-1,4-glucanase (GH12) from Aspergillus niveus. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 461-467. | 2.3 | 45 |
| 26 | Trametes versicolor laccase production using agricultural wastes: a comparative study in Erlenmeyer flasks, bioreactor and tray. Bioprocess and Biosystems Engineering, 2020, 43, 507-514. | 3.4 | 44 |
| 27 | Multi-step approach to add value to corncob: Production of biomass-degrading enzymes, lignin and fermentable sugars. Bioresource Technology, 2018, 247, 582-590. | 9.6 | 41 |
| 28 | Fungal communities differentially respond to warming and drought in tropical grassland soil. Molecular Ecology, 2020, 29, 1550-1559. | 3.9 | 41 |
| 29 | 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. | 3.6 | 40 |
| 30 | Bioprocess and biotechnology: effect of xylanase from Aspergillus niger and Aspergillus flavus on pulp biobleaching and enzyme production using agroindustrial residues as substract. SpringerPlus, 2013, 2, 380. | 1.2 | 40 |
| 31 | Thermostable glucose-tolerant glucoamylase produced by the thermophilic fungusScytalidium thermophilum. Folia Microbiologica, 2001, 46, 11-16. | 2.3 | 39 |
| 32 | 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, 149-155. | 3.0 | 39 |
| 33 | Extracellular Î²â€•<scp>D</scp> â€glucosidase from Chaetomium thermophilum var. coprophilum : production, purification and some biochemical properties. Journal of Basic Microbiology, 2002, 42, 55-66. | 3.3 | 37 |
| 34 | 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, 347-355. | 3.4 | 37 |
| 35 | Production of xylanase and Î²-xylosidase from autohydrolysis liquor of corncob using two fungal strains. Bioprocess and Biosystems Engineering, 2012, 35, 1185-1192. | 3.4 | 35 |
| 36 | Purification and Partial Characterization of an Exo-polygalacturonase from Paecilomyces variotii Liquid Cultures. Applied Biochemistry and Biotechnology, 2010, 160, 1496-1507. | 2.9 | 34 |

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| 37 | Properties of a purified thermostable glucoamylase from Aspergillus niveus. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1439-1446. | 3.0 | 32 |
| 38 | Biotechnological Potential of Agro-Industrial Wastes as a Carbon Source to Thermostable Polygalacturonase Production inAspergillus niveus. Enzyme Research, 2011, 2011, 1-6. | 1.8 | 32 |
| 39 | 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. | 7.5 | 32 |
| 40 | 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, 813-821. | 3.4 | 31 |
| 41 | Xylanase and Î²-Xylosidase Production by Aspergillus ochraceus: New Perspectives for the Application of Wheat Straw Autohydrolysis Liquor. Applied Biochemistry and Biotechnology, 2012, 166, 336-347. | 2.9 | 30 |
| 42 | 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. | 3.0 | 29 |
| 43 | Thermostable conidial and mycelial alkaline phosphatases from the thermophilic fungus Scytalidium thermophilum. Journal of Industrial Microbiology and Biotechnology, 2001, 27, 265-270. | 3.0 | 28 |
| 44 | A novel glucoamylase activated by manganese and calcium produced in submerged fermentation by Aspergillus phoenicis. Journal of Basic Microbiology, 2014, 54, 333-339. | 3.3 | 28 |
| 45 | Challenges of Biomass Utilization for Bioenergy in a Climate Change Scenario. Biology, 2021, 10, 1277. | 2.8 | 27 |
| 46 | Glucoamylase activity from the thermophilic fungusScytalidium thermophilum. Biochemical and regulatory properties. Journal of Basic Microbiology, 2000, 40, 83-92. | 3.3 | 26 |
| 47 | Biochemical properties of glycosylation and characterization of a histidine acid phosphatase (phytase) expressed in Pichia pastoris. Protein Expression and Purification, 2014, 99, 43-49. | 1.3 | 26 |
| 48 | Characterization and properties of acid phosphatases with phytase activity produced by Aspergillus caespitosus. Biotechnology and Applied Biochemistry, 2004, 40, 201. | 3.1 | 25 |
| 49 | Production of xylanolytic enzymes by Aspergillus terricola in stirred tank and airlift tower loop bioreactors. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1979-1984. | 3.0 | 25 |
| 50 | Enhanced xyloglucan-specific endo-Î²-1,4-glucanase efficiency in an engineered CBM44-XegA chimera. Applied Microbiology and Biotechnology, 2015, 99, 5095-5107. | 3.6 | 25 |
| 51 | A novel Î±-glucosidase from Chaetomium thermophilum var. coprophilum that converts maltose into trehalose: Purification and partial characterisation of the enzyme. Process Biochemistry, 2006, 41, 1729-1735. | 3.7 | 24 |
| 52 | Immobilization and biochemical properties of a Î²-xylosidase activated by glucose/xylose from Aspergillus niger USP-67 with transxylosylation activity. Journal of Molecular Catalysis B: Enzymatic, 2013, 89, 93-101. | 1.8 | 24 |
| 53 | Immobilization and high stability of an extracellular Î²-glucosidase from Aspergillus japonicus by ionic interactions. Journal of Molecular Catalysis B: Enzymatic, 2014, 104, 95-100. | 1.8 | 24 |
| 54 | Immobilized endo-xylanase of Aspergillus tamarii Kita: an interesting biological tool for production of xylooligosaccharides at high temperatures. Process Biochemistry, 2017, 53, 145-152. | 3.7 | 24 |

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| 55 | Characterization of trehalase activities from the thermophilic fungus Scytalidium thermophilum. Biochimica Et Biophysica Acta - General Subjects, 1996, 1291, 199-205. | 2.4 | 23 |
| 56 | 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. | 3.7 | 23 |
| 57 | 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. | 1.8 | 23 |
| 58 | Co-cultivation of Aspergillus nidulans Recombinant Strains Produces an Enzymatic Cocktail as Alternative to Alkaline Sugarcane Bagasse Pretreatment. Frontiers in Microbiology, 2016, 7, 583. | 3.5 | 23 |
| 59 | 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, 329-334. | 3.4 | 22 |
| 60 | Effect of glycosylation on the biochemical properties of Î²-xylosidases from Aspergillus versicolor. Journal of Microbiology, 2009, 47, 270-276. | 2.8 | 22 |
| 61 | Screening of filamentous fungi for lipase production:Hypocrea pseudokoningiia new producer with a high biotechnological potential. Biocatalysis and Biotransformation, 2014, 32, 74-83. | 2.0 | 22 |
| 62 | Purification and biochemical characterization of a novel Î±-glucosidase from Aspergillus niveus. Antonie Van Leeuwenhoek, 2009, 96, 569-578. | 1.7 | 21 |
| 63 | Novel amylase-producing fungus hydrolyzing wheat and brewing residues, Aspergillus carbonarius, discovered in tropical forest remnant. Folia Microbiologica, 2020, 65, 173-184. | 2.3 | 21 |
| 64 | Stimulation of hyphal growth in anaerobic cultures ofMucor rouxiiby extracellular trehalose. Relevance of cell wall-bound activity of acid trehalase for trehalose utilization. FEMS Microbiology Letters, 2000, 182, 9-13. | 1.8 | 19 |
| 65 | Acid and alkaline phosphatase activities of a fraction isolated from Parawixia bistriata spider venom. Toxicon, 2006, 47, 854-858. | 1.6 | 19 |
| 66 | A Highly Glucose Tolerant ÃŸ-Glucosidase from Malbranchea pulchella (MpBg3) Enables Cellulose Saccharification. Scientific Reports, 2020, 10, 6998. | 3.3 | 19 |
| 67 | Effects of temperature shifts on the activities ofNeurospora crassaglycogen synthase, glycogen phosphorylase and trehalose-6-phosphate synthase. FEBS Letters, 1996, 378, 32-36. | 2.8 | 18 |
| 68 | Starch Biocatalyst Based on Î±-Amylase-Mg/Al-Layered Double Hydroxide Nanohybrids. ACS Applied Materials & Interfaces, 2015, 7, 18832-18842. | 8.0 | 18 |
| 69 | Efficient hydrolysis of wine and grape juice anthocyanins by Malbranchea pulchella Î²-glucosidase immobilized on MANAE-agarose and ConA-Sepharose supports. International Journal of Biological Macromolecules, 2019, 136, 1133-1141. | 7.5 | 18 |
| 70 | 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. | 2.0 | 18 |
| 71 | 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, 1027-1038. | 3.4 | 17 |
| 72 | Beauveria bassiana Lipase A expressed in Komagataella (Pichia) pastoris with potential for biodiesel catalysis. Frontiers in Microbiology, 2015, 6, 1083. | 3.5 | 17 |

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| 73 | 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. | 3.6 | 17 |
| 74 | Prospecting fungal ligninases using corncob lignocellulosic fractions. Cellulose, 2017, 24, 4355-4365. | 4.9 | 17 |
| 75 | Sunflower stalk as a carbon source inductive for fungal xylanase production. Industrial Crops and Products, 2020, 153, 112368. | 5.2 | 17 |
| 76 | A Halotolerant Endo-1,4-Î²-Xylanase from Aspergillus clavatus with Potential Application for Agroindustrial Residues Saccharification. Applied Biochemistry and Biotechnology, 2020, 191, 1111-1126. | 2.9 | 17 |
| 77 | A novel xylan degrading Î²-d-xylosidase: purification and biochemical characterization. World Journal of Microbiology and Biotechnology, 2012, 28, 3179-3186. | 3.6 | 16 |
| 78 | Purification, partial characterization, and covalent immobilizationâ€“stabilization of an extracellular Î±-amylase from Aspergillus niveus. Folia Microbiologica, 2013, 58, 495-502. | 2.3 | 16 |
| 79 | Production of Omegas-6 and 9 from the Hydrolysis of AÃ§aÃ-and Buriti Oils by Lipase Immobilized on a Hydrophobic Support. Molecules, 2018, 23, 3015. | 3.8 | 16 |
| 80 | Bioinspired architecture of a hybrid bifunctional enzymatic/organic electrocatalyst for complete ethanol oxidation. Bioelectrochemistry, 2019, 130, 107331. | 4.6 | 16 |
| 81 | Characterisation of free and immobilised laccases from Ganoderma lucidum: application on bisphenol a degradation. Biocatalysis and Biotransformation, 2021, 39, 71-80. | 2.0 | 16 |
| 82 | Prospection of Fungal Lignocellulolytic Enzymes Produced from Jatoba (Hymenaea courbaril) and Tamarind (Tamarindus indica) Seeds: Scaling for Bioreactor and Saccharification Profile of Sugarcane Bagasse. Microorganisms, 2021, 9, 533. | 3.6 | 16 |
| 83 | Cellulose from Lignocellulosic Waste. , 2015, , 475-511. | | 16 |
| 84 | Function and regulation of the acid and neutral trehalases of Mucor rouxii. FEMS Microbiology Letters, 1997, 155, 73-77. | 1.8 | 15 |
| 85 | Cyclodextrin glycosyltransferase from Bacillus licheniformis: optimization of production and its properties. Brazilian Journal of Microbiology, 2006, 37, 317-323. | 2.0 | 15 |
| 86 | 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. | 0.5 | 15 |
| 87 | 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. | 9.3 | 15 |
| 88 | Functional properties of a manganese-activated exo-polygalacturonase produced by a thermotolerant fungus Aspergillus niveus. Folia Microbiologica, 2013, 58, 615-621. | 2.3 | 14 |
| 89 | Characterization of a novel Aspergillus niger beta-glucosidase tolerant to saccharification of lignocellulosic biomass products and fermentation inhibitors. Chemical Papers, 2015, 69, . | 2.2 | 14 |
| 90 | Biochemical Characterization, Thermal Stability, and Partial Sequence of a Novel Exo-Polygalacturonase from the Thermophilic Fungus Rhizomucor pusillus A13.36 Obtained by Submerged Cultivation. BioMed Research International, 2016, 2016, 1-10. | 1.9 | 14 |

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| 91 | Bioprospection and characterization of the amylolytic activity by filamentous fungi from Brazilian Atlantic Forest. Biota Neotropica, 2017, 17, . | 1.0 | 14 |
| 92 | Regulation of pectic enzymes from theexo-1 mutant strain ofNeurospora crassa: effects of glucose, galactose, and galacturonic acid. Journal of Basic Microbiology, 1998, 38, 181-188. | 3.3 | 13 |
| 93 | Regulation of xylanase in Aspergillus phoenicis: a physiological and molecular approach. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 237-244. | 3.0 | 13 |
| 94 | Purification and biochemical characterization of glucoseâ€“cellobiose-tolerant cellulases from Scytalidium thermophilum. Folia Microbiologica, 2013, 58, 561-568. | 2.3 | 13 |
| 95 | Increase of the phytase production by Aspergillus japonicus and its biocatalyst potential on chicken feed treatment. Journal of Basic Microbiology, 2014, 54, S152-60. | 3.3 | 13 |
| 96 | 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, 206-220. | 2.9 | 13 |
| 97 | 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. | 8.9 | 13 |
| 98 | Characterization of multiple xylanase forms from Aspergillus tamarii resistant to phenolic compounds. Mycosphere, 2016, 7, 1554-1567. | 6.1 | 13 |
| 99 | Extracellular alkaline phosphatase from the filamentous fungusAspergillus caespitosus: Purification and biochemical characterization. Folia Microbiologica, 2003, 48, 627-632. | 2.3 | 12 |
| 100 | Improvement of fungal arabinofuranosidase thermal stability by reversible immobilization. Process Biochemistry, 2012, 47, 2411-2417. | 3.7 | 12 |
| 101 | Co-immobilization of fungal endo-xylanase and Â-L-arabinofuranosidase in glyoxyl agarose for improved hydrolysis of arabinoxylan. Journal of Biochemistry, 2013, 154, 275-280. | 1.7 | 12 |
| 102 | Screening of thermotolerant and thermophilic fungi aiming β-xylosidase and arabinanase production. Brazilian Journal of Microbiology, 2014, 45, 1459-1467. | 2.0 | 12 |
| 103 | Characterization of a conidial alkaline phosphatase from the thermophilic fungusHumicola grisea var.thermoidea. Journal of Basic Microbiology, 1998, 38, 85-94. | 3.3 | 11 |
| 104 | Effect of carbon source on alkaline phosphatase production and excretion in Aspergillus caespitosus. Journal of Basic Microbiology, 2003, 43, 210-217. | 3.3 | 11 |
| 105 | The fungal metabolite eugenitin as additive for Aspergillus niveus glucoamylase activation. Journal of Molecular Catalysis B: Enzymatic, 2012, 74, 156-161. | 1.8 | 11 |
| 106 | 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. | 3.0 | 10 |
| 107 | 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, 201-207. | 2.4 | 10 |
| 108 | Use of Cassava Peel as Carbon Source for Production of Amylolytic Enzymes by Aspergillus niveus. International Journal of Food Engineering, 2009, 5, . | 1.5 | 10 |

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| 109 | 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 | 10 |
| 110 | Fungal Lipases: Versatile Tools for White Biotechnology. Fungal Biology, 2019, , 361-404. | 0.6 | 10 |
| 111 | Fungal Community Ecology Using MALDI-TOF MS Demands Curated Mass Spectral Databases. Frontiers in Microbiology, 2019, 10, 315. | 3.5 | 10 |
| 112 | Enzymatic Pretreatment with Laccases from Lentinus sajor-caju Induces Structural Modification in Lignin and Enhances the Digestibility of Tropical Forage Grass (Panicum maximum) Grown under Future Climate Conditions. International Journal of Molecular Sciences, 2021, 22, 9445. | 4.1 | 10 |
| 113 | Purification and biochemical characterization of ?-xylosidase from var. thermoidea. FEMS Microbiology Letters, 1995, 130, 171-175. | 1.8 | 9 |
| 114 | Purification and biochemical characterization of thermostable alkaline phosphatases produced by Rhizopus microsporus var. rhizopodiformis. Folia Microbiologica, 2008, 53, 509-516. | 2.3 | 9 |
| 115 | Biochemical properties of an extracellular trehalase from Malbranchea pulchella var. Sulfurea. Journal of Microbiology, 2011, 49, 809-815. | 2.8 | 9 |
| 116 | Effects of Aspergillus spp. exogenous fibrolytic enzymes on in vitro fermentation of tropical forages. Journal of the Science of Food and Agriculture, 2012, 92, 2569-2573. | 3.5 | 9 |
| 117 | Mixture design of starchy substrates hydrolysis by an immobilized glucoamylase fromAspergillus brasiliensis. Biocatalysis and Biotransformation, 2018, 36, 389-395. | 2.0 | 9 |
| 118 | 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. | 8.8 | 9 |
| 119 | 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, 85-89. | 1.8 | 8 |
| 120 | Tunicamycin inhibition of N-glycosylation of Î±-glucosidase from Aspergillus niveus: partial influence on biochemical properties. Biotechnology Letters, 2010, 32, 1449-1455. | 2.2 | 8 |
| 121 | Partial Purification and Characterization of a Thermostable Î²-Mannanase from Aspergillus foetidus. Applied Sciences (Switzerland), 2015, 5, 881-893. | 2.5 | 8 |
| 122 | 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. | 2.0 | 7 |
| 123 | Production and action of an Aspergillus phoenicis enzymatic pool using different carbon sources. Brazilian Journal of Food Technology, 2012, 15, 253-260. | 0.8 | 7 |
| 124 | Enzymes Involved in the Biodegradation of Sugarcane Biomass: Challenges and Perspectives. , 2017, , 55-79. | | 7 |
| 125 | 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, . | 0.8 | 7 |
| 126 | Holocellulase production by filamentous fungi: potential in the hydrolysis of energy cane and other sugarcane varieties. Biomass Conversion and Biorefinery, 2023, 13, 1163-1174. | 4.6 | 7 |

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| 127 | Screening and cocktail optimization using experimental mixture design: enzymatic saccharification as a biological pretreatment strategy. Biofuels, Bioproducts and Biorefining, 2021, 15, 1447-1460. | 3.7 | 7 |
| 128 | Prospection of Psychrotrophic Filamentous Fungi Isolated from the High Andean Paramo Region of Northern Ecuador: Enzymatic Activity and Molecular Identification. Microorganisms, 2022, 10, 282. | 3.6 | 7 |
| 129 | Characterisation of an acid trehalase produced by the thermotolerant fungusRhizopus microsporusvar.rhizopodiformis: Biochemical properties and immunochemical localisation. FEMS Microbiology Letters, 2005, 251, 169-175. | 1.8 | 6 |
| 130 | Purification and biochemical characterization of a mycelial alkaline phosphatase without DNAase activity produced byAspergillus caespitosus. Folia Microbiologica, 2007, 52, 231-6. | 2.3 | 6 |
| 131 | Increased biomass saccharification by supplementation of a commercial enzyme cocktail with endo-arabinanase from Bacillus licheniformis. Biotechnology Letters, 2015, 37, 1455-1462. | 2.2 | 6 |
| 132 | Different Covalent Immobilizations Modulate Lipase Activities of Hypocrea pseudokoningii. Molecules, 2017, 22, 1448. | 3.8 | 6 |
| 133 | Prospecting of soybean hulls as an inducer carbon source for the cellulase production. Preparative Biochemistry and Biotechnology, 2018, 48, 743-749. | 1.9 | 6 |
| 134 | Biochemical traits useful for the determination of genetic variation in a natural population of Myracrodruon urundeuva. Pesquisa Agropecuaria Brasileira, 2002, 37, 909-916. | 0.9 | 5 |
| 135 | Effect of enzymatic pretreatment of sugarcane bagasse with recombinant hemicellulases and esterase prior to the application of the cellobiohydrolase CBH I MegazymeÂ®. Biomass Conversion and Biorefinery, 2022, 12, 491-499. | 4.6 | 5 |
| 136 | Immobilization studies of a pectinase produced by Aspergillus terreus. Biotechnology and Applied Biochemistry, 2021, 68, 197-208. | 3.1 | 5 |
| 137 | Increased Malbranchea pulchella Î²-glucosidase production and its application in agroindustrial residue hydrolysis: A research based on experimental designs. Biotechnology Reports (Amsterdam,) Tj ETQq1 1 0.784314 rgBT /Overlock | 4.6 | 5 |
| 138 | (1,3)-Î²-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. | 1.6 | 4 |
| 139 | Changes in N-acetyl galactosaminoglycan deacetylase levels during growth ofNeurospora crassa: effect ofL-sorbose on enzyme production. Journal of Basic Microbiology, 1999, 39, 337-344. | 3.3 | 4 |
| 140 | Biochemical characterization of a Ca2+-dependent acid trehalase activity from the thermophilic fungus Chaetomium thermophilum var. coprophilum. FEMS Microbiology Letters, 1999, 171, 11-15. | 1.8 | 4 |
| 141 | Thermostable saccharogenic amylase produced under submerged fermentation by filamentous fungus Penicillium purpurogenum. Brazilian Journal of Microbiology, 2011, 42, 1136-1140. | 2.0 | 4 |
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