Luis Henrique Souza Guimares

List of Publications by Citations

61 papers	872 citations	16 h-index	26 g-index
66 ext. papers	989 ext. citations	2.8 avg, IF	4.2 L-index

#	Paper	IF	Citations
61	Production and characterization of a thermostable extracellular β-d-fructofuranosidase produced by Aspergillus ochraceus with agroindustrial residues as carbon sources. *Enzyme and Microbial Technology*, **2007**, 42, 52-57	3.8	66
60	Screening of filamentous fungi for production of enzymes of biotechnological interest. *Brazilian Journal of Microbiology*, **2006**, 37, 474-480	2.2	64
59	Optimization of β-glucosidase, β-xylosidase and xylanase production by Colletotrichum graminicola under solid-state fermentation and application in raw sugarcane trash saccharification. *International Journal of Molecular Sciences*, **2013**, 14, 2875-902	6.3	56
58	Production of β-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
57	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
56	Production and chemical characterization of pigments in filamentous fungi. *Microbiology (United Kingdom)*, **2016**, 162, 12-22	2.9	41
55	Production of a xylose-stimulated β-glucosidase and a cellulase-free thermostable xylanase by the thermophilic fungus Humicola brevis var. thermoidea under solid state fermentation. *World Journal of Microbiology and Biotechnology*, **2012**, 28, 2689-701	4.4	29
54	Extracellular tannase from Emericella nidulans showing hypertolerance to temperature and organic solvents. *Journal of Molecular Catalysis B: Enzymatic*, **2011**, 71, 29-35		27
53	Thermostable invertases from Paecylomyces variotii produced under submerged and solid-state fermentation using agroindustrial residues. *World Journal of Microbiology and Biotechnology*, **2012**, 28, 463-72	4.4	25
52	Characterization and properties of acid phosphatases with phytase activity produced by Aspergillus caespitosus. *Biotechnology and Applied Biochemistry*, **2004**, 40, 201-7	2.8	23
51	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
50	A high-throughput method for GMO multi-detection using a microfluidic dynamic array. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 1397-410	4.4	21
49	Effect of glycosylation on the biochemical properties of beta-xylosidases from Aspergillus versicolor. *Journal of Microbiology*, **2009**, 47, 270-6	3	20
48	Characterization of a glucose- and solvent-tolerant extracellular tannase from Aspergillus phoenicis. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 85-86, 126-133		19
47	Characterization of a thermo-tolerant mycelial β-Fructofuranosidase from Aspergillus phoenicis under submerged fermentation using wheat bran as carbon source. *Biocatalysis and Agricultural Biotechnology*, **2015**, 4, 362-369	4.2	17
46	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
45	Acid and alkaline phosphatase activities of a fraction isolated from Parawixia bistriata spider venom. *Toxicon*, **2006**, 47, 854-8	2.8	16

44	A novel silver-activated extracellular □d-fructofuranosidase from Aspergillus phoenicis. *Journal of Molecular Catalysis B: Enzymatic*, **2010**, 67, 10-15		14
43	Characterization of the co-purified invertase and □glucosidase of a multifunctional extract from Aspergillus terreus. *World Journal of Microbiology and Biotechnology*, **2014**, 30, 1501-10	4.4	13
42	Characterization of an extracellular □d-fructofuranosidase produced by Aspergillus niveus during solid-state fermentation (SSF) of cassava husk. *Journal of Food Biochemistry*, **2018**, 42, e12443	3.3	12
41	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
40	Purification and biochemical characterization of glucose-cellobiose-tolerant cellulases from Scytalidium thermophilum. *Folia Microbiologica*, **2013**, 58, 561-8	2.8	11
39	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
38	Characterization of a tannase from Emericella nidulans immobilized on ionic and covalent supports for propyl gallate synthesis. *Biotechnology Letters*, **2013**, 35, 591-8	3	11
37	Extracellular alkaline phosphatase from the filamentous fungus Aspergillus caespitosus: purification and biochemical characterization. *Folia Microbiologica*, **2003**, 48, 627-32	2.8	11
36	Effect of carbon source on alkaline phosphatase production and excretion in Aspergillus caespitosus. *Journal of Basic Microbiology*, **2003**, 43, 210-7	2.7	11
35	Buffalo Cheese Whey Proteins, Identification of a 24 kDa Protein and Characterization of Their Hydrolysates: In Vitro Gastrointestinal Digestion. *PLoS ONE*, **2015**, 10, e0139550	3.7	11
34	Optimization of the Chitinase Production by Different <i>Metarhizium anisopliae</i> Strains under Solid-State Fermentation with Silkworm Chrysalis as Substrate Using CCRD. *Advances in Microbiology*, **2012**, 02, 268-276	0.6	11
33	Production and Characterization of an Extracellular □d-Fructofuranosidase from Fusarium Graminearum During Solid-State Fermentation Using Wheat Bran as a Carbon Source. *Journal of Food Biochemistry*, **2016**, 40, 655-663	3.3	11
32	Production and characterization of a thermostable antifungal chitinase secreted by the filamentous fungus under submerged fermentation. *3 Biotech*, **2018**, 8, 369	2.8	10
31	Characterization of a multi-tolerant tannin acyl hydrolase II from Aspergillus carbonarius produced under solid-state fermentation. *Electronic Journal of Biotechnology*, **2015**, 18, 464-470	3.1	10
30	Extracellular Tannase from : Influence of the Culture Conditions on Biofilm Formation, Enzyme Production, and Application. *Journal of Microbiology and Biotechnology*, **2019**, 29, 1749-1759	3.3	10
29	Production of Invertases by Anamorphic (<i>Aspergillus nidulans</i>) and Teleomorphic (<i>Emericela nidulans</i>) Fungi under Submerged Fermentation Using Rye Flour as Carbon Source. *Advances in Microbiology*, **2013**, 03, 421-429	0.6	10
28	Production and Partial Characterization of an Extracellular Phytase Produced by <i>Muscodor</i> sp. under Submerged Fermentation. *Advances in Microbiology*, **2016**, 06, 23-32	0.6	10
27	Purification and characterization of an alkalistable phytase produced by Rhizopus microsporus var. microsporus in submerged fermentation. *Process Biochemistry*, **2019**, 81, 70-76	4.8	8

26	Characterization of a Thermotolerant Phytase Produced by Rhizopus microsporus var. microsporus Biofilm on an Inert Support Using Sugarcane Bagasse as Carbon Source. *Applied Biochemistry and Biotechnology*, **2016**, 179, 610-24	3.2	8
25	Biochemical properties of an extracellular trehalase from Malbranchea pulchella var. Sulfurea. *Journal of Microbiology*, **2011**, 49, 809-15	3	8
24	Purification and biochemical characterization of thermostable alkaline phosphatases produced by Rhizopus microsporus var. rhizopodiformis. *Folia Microbiologica*, **2008**, 53, 509-16	2.8	8
23	Phytase production by Rhizopus microsporus var. microsporus biofilm: characterization of enzymatic activity after spray drying in presence of carbohydrates and nonconventional adjuvants. *Journal of Microbiology and Biotechnology*, **2014**, 24, 177-87	3.3	8
22	A novel Trichoderma reesei mutant RP698 with enhanced cellulase production. *Brazilian Journal of Microbiology*, **2020**, 51, 537-545	2.2	8
21	Characterization of CAS-21 tannase with potential for propyl gallate synthesis and treatment of tannery effluent from leather industry. *3 Biotech*, **2018**, 8, 270	2.8	8
20	Production of β-galactosidase by Trichoderma sp. through solid-state fermentation targeting the recovery of galactooligosaccharides from whey cheese. *Journal of Applied Microbiology*, **2021**, 130, 865-877	4.7	7
19	Optimization of culture conditions for tannase production by Aspergillus sp. gm4 in solid state fermentation. *Acta Scientiarum - Biological Sciences*, **2015**, 37, 23	0.3	6
18	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
17	The Optimization of <i>Aspergillus</i> sp. GM4 Tannase Production under Submerged Fermentation. *Advances in Microbiology*, **2014**, 04, 143-150	0.6	6
16	Immobilization of Fusarium graminearum β-d-fructofuranosidase using alternative cellulosic supports: Stabilization and production of fructooligosaccharides. *Food Science and Biotechnology*, **2015**, 24, 1429-1435	3	5
15	Stabilization and application of spray-dried tannase from CAS21 in the presence of different carriers. *3 Biotech*, **2020**, 10, 177	2.8	5
14	Different strategies to kill the host presented by Metarhizium anisopliae and Beauveria bassiana. *Canadian Journal of Microbiology*, **2018**, 64, 191-200	3.2	5
13	Carbohydrates from Biomass: Sources and Transformation by Microbial Enzymes **2012**,		5
12	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
11	Assessment of the Bioactive Potential of Cheese Whey Protein Hydrolysates Using Immobilized Alcalase. *Food and Bioprocess Technology*, **2020**, 13, 2120-2130	5.1	5
10	Production of short-chain fructooligosaccharides (scFOS) using extracellular β-D-fructofuranosidase produced by Aspergillus thermomutatus. *Journal of Food Biochemistry*, **2019**, 43, e12937	3.3	4
9	Extracellular β-fructofuranosidase from Fusarium graminearum: stability of the spray-dried enzyme in the presence of different carbohydrates. *Journal of Microencapsulation*, **2013**, 30, 624-31	3.4	4

8	Thermostable saccharogenic amylase produced under submerged fermentation by filamentous fungus Penicillium purpurogenum. *Brazilian Journal of Microbiology*, **2011**, 42, 1136-1140	2.2	3
7	Characterization of a thermostable extracellular tannase produced under submerged fermentation by Aspergillus ochraceus. *Electronic Journal of Biotechnology*, **2012**, 15,	3.1	3
6	Secretome Analysis of Metarhizium anisopliae Under Submerged Conditions Using Bombyx mori Chrysalis to Induce Expression of Virulence-Related Proteins. *Current Microbiology*, **2016**, 72, 220-227	2.4	2
5	Biochemical properties of an extracellular D-fructofuranosidase II produced by Aspergillus phoenicis under Solid-Sate Fermentation using soy bran as substrate. *Electronic Journal of Biotechnology*, **2011**, 14,	3.1	2
4	Aspergillus Biotechnology: An Overview on the Production of Hydrolases and Secondary Metabolites. *Current Biotechnology*, **2017**, 6,	0.6	1
3	Expression of F-actin and tubulin genes in free mycelia and robust biofilms of the filamentous fungus Aspergillus niger. *Brazilian Journal of Microbiology*, **2021**, 52, 2357-2362	2.2	1
2	Immobilization of the Tannase From CAS21: Screening the Best Derivative for the Treatment of Tannery Effluent Using a Packed Bed Reactor. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 754061	5.8	
1	Thermostable saccharogenic amylase produced under submerged fermentation by filamentous fungus Penicillium purpurogenum. *Brazilian Journal of Microbiology*, **2011**, 42, 1136-40	2.2	