Rita de CÃ¡ssia Garcia SimÃ£o

List of Publications by Year
in descending order

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52 papers	973 citations	535685 17 h-index	511568 30 g-index
52 all docs	52 docs citations	52 times ranked	1409 citing authors

#	Article	IF	Citations
1	Genome of Herbaspirillum seropedicae Strain SmR1, a Specialized Diazotrophic Endophyte of Tropical Grasses. PLoS Genetics, 2011, 7, e1002064.	1.5	188
2	DnaK and GroEL are induced in response to antibiotic and heat shock in Acinetobacter baumannii. Journal of Medical Microbiology, 2010, 59, 1061-1068.	0.7	103
3	New aspects on atrazine biodegradation. Brazilian Archives of Biology and Technology, 2010, 53, 487-496.	0.5	78
4	Research Progress Concerning Fungal and Bacterial Î²-Xylosidases. Applied Biochemistry and Biotechnology, 2016, 178, 766-795.	1.4	48
5	Distribution of stream macroalgae in the northwest region of SÃ£o Paulo State, southeastern Brazil. Hydrobiologia, 1995, 299, 219-230.	1.0	40
6	Xylanase production byAspergillus tamarii. Applied Biochemistry and Biotechnology, 1997, 66, 97-106.	1.4	38
7	Expression and Characterization of a GH39 Î²-Xylosidase II from Caulobacter crescentus. Applied Biochemistry and Biotechnology, 2012, 168, 2218-2229.	1.4	34
8	Downregulation of the heat shock response is independent of DnaK and Ïƒ32 levels in Caulobacter crescentus. Molecular Microbiology, 2003, 49, 541-553.	1.2	31
9	An unusual water-soluble Î²-glucan from the basidiocarp of the fungus Ganoderma resinaceum. Carbohydrate Polymers, 2008, 72, 473-478.	5.1	30
10	Genotyping by RAPD-PCR analyses of Malassezia furfur strains from pityriasis versicolor and seborrhoeic dermatitis patients. Mycopathologia, 2006, 162, 273-280.	1.3	27
11	The accessory domain changes the accessibility and molecular topography of the catalytic interface in monomeric GH39 Î²-xylosidases. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 1339-1345.	2.5	25
12	The cloning, expression, purification, characterization and modeled structure of Caulobacter crescentus Î²-Xylosidase I. World Journal of Microbiology and Biotechnology, 2012, 28, 2879-2888.	1.7	22
13	Xylanase from Fusarium heterosporum: Properties and influence of thiol compounds on xylanase activity. African Journal of Biotechnology, 2014, 13, 1047-1055.	0.3	22
14	Spike protein of SARS-CoV-2 variants: a brief review and practical implications. Brazilian Journal of Microbiology, 2022, 53, 1133-1157.	0.8	22
15	Malassezia spp. in Acoustic Meatus of Bats (Molossus molossus) of the Amazon Region, Brazil. Mycopathologia, 2008, 165, 21-26.	1.3	21
16	Structure, Expression, and Functional Analysis of the Gene Coding for Calmodulin in the Chytridiomycete Blastocladiella emersonii. Journal of Bacteriology, 2001, 183, 2280-2288.	1.0	18
17	Cloning and Expression of the xynA1 Gene Encoding a Xylanase of the GH10 Group in Caulobacter crescentus. Applied Biochemistry and Biotechnology, 2015, 175, 3915-3929.	1.4	18
18	Cells lacking ClpB display a prolonged shutoff phase of the heat shock response inCaulobacter crescentus. Molecular Microbiology, 2005, 57, 592-603.	1.2	17

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19	High levels of Î²-xylosidase in Thermomyces lanuginosus : potential use for saccharification. Brazilian Journal of Microbiology, 2016, 47, 680-690.	0.8	17
20	Induction of xylanase in Aspergillus tamarii by methyl Î²- d -xyloside. Applied Microbiology and Biotechnology, 1997, 47, 267-271.	1.7	14
21	Characterization of a novel Aspergillus niger beta-glucosidase tolerant to saccharification of lignocellulosic biomass products and fermentation inhibitors. Chemical Papers, 2015, 69, .	1.0	14
22	Biotechnological potential of an exoâ€polygalacturonase of the new strain Penicillium janthinellum VI2R3M: biochemical characterization and clarification of fruit juices. Journal of Applied Microbiology, 2019, 127, 1706-1715.	1.4	14
23	Improvement in the bleaching of kraft pulp with xylanase from Penicillium crustosum FP 11 isolated from the Atlantic forest. Biocatalysis and Biotransformation, 2016, 34, 119-127.	1.1	13
24	Analysis of the xynB5 gene encoding a multifunctional GH3-BglX Î²-glucosidase-Î²-xylosidase-Î±-arabinosidase member in Caulobacter crescentus. Antonie Van Leeuwenhoek, 2015, 108, 993-1007.	0.7	12
25	The use of methyl Î²-<scp>D</scp>-xyloside as a substrate for xylanase production byAspergillus tamarii. Canadian Journal of Microbiology, 1997, 43, 56-60.	0.8	9
26	Cloning, expression and characterization of C. crescentus xynA2 gene and application of Xylanase II in the deconstruction of plant biomass. Molecular Biology Reports, 2020, 47, 4427-4438.	1.0	9
27	Recombinant cellulase of Caulobacter crescentus: potential applications for biofuels and textile industries. Cellulose, 2021, 28, 2813-2832.	2.4	9
28	Depletion of the xynB2 Gene Upregulates Î²-Xylosidase Expression in C. crescentus. Applied Biochemistry and Biotechnology, 2014, 172, 1085-1097.	1.4	8
29	Susceptibility of Candida albicans Isolated from Blood to Wickerhamomyces anomalous Mycocins. Current Microbiology, 2016, 73, 878-884.	1.0	8
30	Antibiotic Activity of Wickerhamomyces anomalus Mycocins on Multidrug-Resistant Acinetobacter baumannii. Microbial Ecology, 2020, 80, 278-285.	1.4	8
31	Proteomic profile of hemolymph and detection of induced antimicrobial peptides in response to microbial challenge in Diatraea saccharalis (Lepidoptera: Crambidae). Biochemical and Biophysical Research Communications, 2016, 473, 511-516.	1.0	6
32	Upregulation of the clpB gene in response to heat shock and beta-lactam antibiotics in Acinetobacter baumannii. Molecular Biology Reports, 2020, 47, 1499-1505.	1.0	5
33	Caulobacter crescentus Î²-Xylosidase II Is Highly Tolerant to Inhibitors Present in Fermentative Processes Involving Lignocellulosic Biomass. Bioenergy Research, 2020, 13, 301-313.	2.2	5
34	Production of Hemicellulolytic Enzymes by a Novel Trichoderma koningiopsis 2OI2A1M and Its Application in the Saccharification of Barley Bagasse. Waste and Biomass Valorization, 2021, 12, 5949-5958.	1.8	5
35	Î²-(1â†'3)-Glucan of the Southern Bracket Mushroom, Ganoderma australe (Agaricomycetes), Stimulates Phagocytosis and Interleukin-6 Production in Mouse Peritoneal Macrophages. International Journal of Medicinal Mushrooms, 2016, 18, 313-320.	0.9	5
36	Cunninghamella echinulata PA3S12MM invertase: Biochemical characterization of a promiscuous enzyme. Journal of Food Biochemistry, 2021, 45, e13654.	1.2	4

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37	Optimization of C. crescentus Î²-Xylosidases and Expression of xynB1â€“5 Genes in Response to Agro-Industrial Waste. Waste and Biomass Valorization, 2020, 11, 6169-6178.	1.8	3
38	Antimicrobial activity of Wickerhamomyces anomalus mycocins against strains of Staphylococcus aureus isolated from meats. Food Science and Technology, 2021, 41, 388-394.	0.8	3
39	Experimental Design for Optimization of Î²-Xylosidase Production by A. fumigatus Isolated from the Atlantic Forest (Brazil). Journal of Advances in Biology & Biotechnology, 0, , 1-16.	0.2	3
40	Stress Responses: pH. , 2009, , 477-484.		2
41	Experimental Model of Arthritis Induced by Paracoccidioides brasiliensis in Rats. Mycopathologia, 2012, 174, 187-191.	1.3	2
42	Biotechnological Advances in Fungal Invertases. , 2013, , .		2
43	DOSE RESPONSE EFFECT OF Paracoccidioides brasiliensis IN AN EXPERIMENTAL MODEL OF ARTHRITIS. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2014, 56, 259-264.	0.5	2
44	Repression of Proteases and Hsp90 Chaperone Expression Induced by an Antiretroviral in Virulent Environmental Strains of Cryptococcus neoformans. Microbial Ecology, 2017, 73, 583-589.	1.4	2
45	Enhance of Cellulase Production and Biomass Degradation by Transformation of the Trichoderma reesei RUT-C30âˆ†zface1 Strain. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	2
46	Prebiotic effect of sorghum biomass xylooligosaccharides employing immobilized endoxylanase from Thermomyces lanuginosus PC7S1T. Brazilian Journal of Microbiology, 2022, 53, 1167-1174.	0.8	2
47	Research Article Bioprospecting and enzymatic potential of filamentous fungi from the Bela Vista Biological Refuge in Itaipu, Brazil. Genetics and Molecular Research, 2019, 18, .	0.3	1
48	SCREENING OF FILAMENTOUS FUNGI FROM THE ATLANTIC FOREST BIOME PRODUCING ENZYMES OF THE PECTINOLYTIC COMPLEX. Brazilian Journal of Development, 2020, 6, 57580-57585.	0.0	1
49	A THERMOSTABLE XYLANASE FROM A NEW STRAIN OF ASPERGILLUS FUMIGATUS PRESENTS HIGH ABILITY TO HYDROLYZE HEMICELLULOSE FROM CORN STRAW / UMA XILANASE TERMOESTÃVEL DE UMA NOVA ESTIRPE DE ASPERGILLUS FUMIGATUS APRESENTA ELEVADA CAPACIDADE DE HIDROLISAR HEMICELULOSE A PARTIR DE PALHA DE MILHO. Brazilian Journal of Development, 2020, 6, 69054-69077.	0.0	1
50	AVALIAÃ‡ÃƒO DA ATIVIDADE XILANASE DE CULTIVOS DE FUNGOS MESÃ“FILO E TERMÃ“FILO UTILIZANDO RESÃDUOS E SUBPRODUTOS AGRÃ€COLAS. Brazilian Journal of Development, 2020, 6, 61349-61356.	0.0	0
51	Structural and Gene Characterization of a New Antifungal Peptide Obtained from Penicillium crustosum FP11 Strain. International Journal of Biochemistry Research & Review, 0, , 50-60.	0.1	0
52	Os impactos da qualidade nos exames citopatolÃ³gicos do colo do Ãºtero, numa cidade de trÃplice fronteira, na pandemia de COVID-19. Research, Society and Development, 2022, 11, e52411629428.	0.0	0