

Rita de Cássia Garcia Simão

List of Publications by Year in descending order

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52
papers

973
citations

471509

17
h-index

454955

30
g-index

52
all docs

52
docs citations

52
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome of <i>Herbaspirillum seropedicae</i> Strain SmR1, a Specialized Diazotrophic Endophyte of Tropical Grasses. <i>PLoS Genetics</i> , 2011, 7, e1002064.	3.5	188
2	DnaK and GroEL are induced in response to antibiotic and heat shock in <i>Acinetobacter baumannii</i> . <i>Journal of Medical Microbiology</i> , 2010, 59, 1061-1068.	1.8	103
3	New aspects on atrazine biodegradation. <i>Brazilian Archives of Biology and Technology</i> , 2010, 53, 487-496.	0.5	78
4	Research Progress Concerning Fungal and Bacterial β -Xylosidases. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 766-795.	2.9	48
5	Distribution of stream macroalgae in the northwest region of SÃ£o Paulo State, southeastern Brazil. <i>Hydrobiologia</i> , 1995, 299, 219-230.	2.0	40
6	Xylanase production by <i>Aspergillus tamarii</i> . <i>Applied Biochemistry and Biotechnology</i> , 1997, 66, 97-106.	2.9	38
7	Expression and Characterization of a GH39 β -Xylosidase II from <i>Caulobacter crescentus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2218-2229.	2.9	34
8	Downregulation of the heat shock response is independent of DnaK and σ 32 levels in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2003, 49, 541-553.	2.5	31
9	An unusual water-soluble β -glucan from the basidiocarp of the fungus <i>Ganoderma resinaceum</i> . <i>Carbohydrate Polymers</i> , 2008, 72, 473-478.	10.2	30
10	Genotyping by RAPD-PCR analyses of <i>Malassezia furfur</i> strains from pityriasis versicolor and seborrheic dermatitis patients. <i>Mycopathologia</i> , 2006, 162, 273-280.	3.1	27
11	The accessory domain changes the accessibility and molecular topography of the catalytic interface in monomeric GH39 β -xylosidases. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1339-1345.	2.5	25
12	The cloning, expression, purification, characterization and modeled structure of <i>Caulobacter crescentus</i> β -Xylosidase I. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 2879-2888.	3.6	22
13	Xylanase from <i>Fusarium heterosporum</i> : Properties and influence of thiol compounds on xylanase activity. <i>African Journal of Biotechnology</i> , 2014, 13, 1047-1055.	0.6	22
14	Spike protein of SARS-CoV-2 variants: a brief review and practical implications. <i>Brazilian Journal of Microbiology</i> , 2022, 53, 1133-1157.	2.0	22
15	<i>Malassezia</i> spp. in Acoustic Meatus of Bats (<i>Molossus molossus</i>) of the Amazon Region, Brazil. <i>Mycopathologia</i> , 2008, 165, 21-26.	3.1	21
16	Structure, Expression, and Functional Analysis of the Gene Coding for Calmodulin in the Chytridiomycete <i>Blastocladiella emersonii</i> . <i>Journal of Bacteriology</i> , 2001, 183, 2280-2288.	2.2	18
17	Cloning and Expression of the <i>xynA1</i> Gene Encoding a Xylanase of the GH10 Group in <i>Caulobacter crescentus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 3915-3929.	2.9	18
18	Cells lacking ClpB display a prolonged shutoff phase of the heat shock response in <i>Caulobacter crescentus</i> . <i>Molecular Microbiology</i> , 2005, 57, 592-603.	2.5	17

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19	High levels of β -xylosidase in <i>Thermomyces lanuginosus</i> : potential use for saccharification. Brazilian Journal of Microbiology, 2016, 47, 680-690.	2.0	17
20	Induction of xylanase in <i>Aspergillus tamarii</i> by methyl β -D-xyloside. Applied Microbiology and Biotechnology, 1997, 47, 267-271.	3.6	14
21	Characterization of a novel <i>Aspergillus niger</i> beta-glucosidase tolerant to saccharification of lignocellulosic biomass products and fermentation inhibitors. Chemical Papers, 2015, 69, .	2.2	14
22	Biotechnological potential of an exo-polygalacturonase of the new strain <i>Penicillium janthinellum</i> VI2R3M: biochemical characterization and clarification of fruit juices. Journal of Applied Microbiology, 2019, 127, 1706-1715.	3.1	14
23	Improvement in the bleaching of kraft pulp with xylanase from <i>Penicillium crustosum</i> FP 11 isolated from the Atlantic forest. Biocatalysis and Biotransformation, 2016, 34, 119-127.	2.0	13
24	Analysis of the <i>xynB5</i> gene encoding a multifunctional GH3-BglX β -glucosidase- β -xylosidase- α -arabinosidase member in <i>Caulobacter crescentus</i> . Antonie Van Leeuwenhoek, 2015, 108, 993-1007.	1.7	12
25	The use of methyl β -D-xyloside as a substrate for xylanase production by <i>Aspergillus tamarii</i> . Canadian Journal of Microbiology, 1997, 43, 56-60.	1.7	9
26	Cloning, expression and characterization of <i>C. crescentus xynA2</i> gene and application of Xylanase II in the deconstruction of plant biomass. Molecular Biology Reports, 2020, 47, 4427-4438.	2.3	9
27	Recombinant cellulase of <i>Caulobacter crescentus</i> : potential applications for biofuels and textile industries. Cellulose, 2021, 28, 2813-2832.	4.9	9
28	Depletion of the <i>xynB2</i> Gene Upregulates β -Xylosidase Expression in <i>C. crescentus</i> . Applied Biochemistry and Biotechnology, 2014, 172, 1085-1097.	2.9	8
29	Susceptibility of <i>Candida albicans</i> Isolated from Blood to <i>Wickerhamomyces anomalous</i> Mycocins. Current Microbiology, 2016, 73, 878-884.	2.2	8
30	Antibiotic Activity of <i>Wickerhamomyces anomalous</i> Mycocins on Multidrug-Resistant <i>Acinetobacter baumannii</i> . Microbial Ecology, 2020, 80, 278-285.	2.8	8
31	Proteomic profile of hemolymph and detection of induced antimicrobial peptides in response to microbial challenge in <i>Diatraea saccharalis</i> (Lepidoptera: Crambidae). Biochemical and Biophysical Research Communications, 2016, 473, 511-516.	2.1	6
32	Upregulation of the <i>clpB</i> gene in response to heat shock and beta-lactam antibiotics in <i>Acinetobacter baumannii</i> . Molecular Biology Reports, 2020, 47, 1499-1505.	2.3	5
33	<i>Caulobacter crescentus</i> β -Xylosidase II Is Highly Tolerant to Inhibitors Present in Fermentative Processes Involving Lignocellulosic Biomass. Bioenergy Research, 2020, 13, 301-313.	3.9	5
34	Production of Hemicellulolytic Enzymes by a Novel <i>Trichoderma koningiopsis</i> 20I2A1M and Its Application in the Saccharification of Barley Bagasse. Waste and Biomass Valorization, 2021, 12, 5949-5958.	3.4	5
35	β -D-Glucan of the Southern Bracket Mushroom, <i>Ganoderma australe</i> (Agaricomycetes), Stimulates Phagocytosis and Interleukin-6 Production in Mouse Peritoneal Macrophages. International Journal of Medicinal Mushrooms, 2016, 18, 313-320.	1.5	5
36	<i>Cunninghamella echinulata</i> PA3S12MM invertase: Biochemical characterization of a promiscuous enzyme. Journal of Food Biochemistry, 2021, 45, e13654.	2.9	4

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37	Optimization of <i>C. crescentus</i> β -Xylosidases and Expression of xynB1-5 Genes in Response to Agro-Industrial Waste. <i>Waste and Biomass Valorization</i> , 2020, 11, 6169-6178.	3.4	3
38	Antimicrobial activity of <i>Wickerhamomyces anomalus</i> mycocins against strains of <i>Staphylococcus aureus</i> isolated from meats. <i>Food Science and Technology</i> , 2021, 41, 388-394.	1.7	3
39	Experimental Design for Optimization of β -Xylosidase Production by <i>A. fumigatus</i> Isolated from the Atlantic Forest (Brazil). <i>Journal of Advances in Biology & Biotechnology</i> , 0, , 1-16.	0.2	3
40	Stress Responses: pH. , 2009, , 477-484.		2
41	Experimental Model of Arthritis Induced by <i>Paracoccidioides brasiliensis</i> in Rats. <i>Mycopathologia</i> , 2012, 174, 187-191.	3.1	2
42	Biotechnological Advances in Fungal Invertases. , 2013, , .		2
43	DOSE RESPONSE EFFECT OF <i>Paracoccidioides brasiliensis</i> IN AN EXPERIMENTAL MODEL OF ARTHRITIS. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 2014, 56, 259-264.	1.1	2
44	Repression of Proteases and Hsp90 Chaperone Expression Induced by an Antiretroviral in Virulent Environmental Strains of <i>Cryptococcus neoformans</i> . <i>Microbial Ecology</i> , 2017, 73, 583-589.	2.8	2
45	Enhance of Cellulase Production and Biomass Degradation by Transformation of the <i>Trichoderma reesei</i> RUT-C30 α -face1 Strain. <i>Brazilian Archives of Biology and Technology</i> , 0, 63, .	0.5	2
46	Prebiotic effect of sorghum biomass xylooligosaccharides employing immobilized endoxylanase from <i>Thermomyces lanuginosus</i> PC7S1T. <i>Brazilian Journal of Microbiology</i> , 2022, 53, 1167-1174.	2.0	2
47	Research Article Bioprospecting and enzymatic potential of filamentous fungi from the Bela Vista Biological Refuge in Itaipu, Brazil. <i>Genetics and Molecular Research</i> , 2019, 18, .	0.2	1
48	SCREENING OF FILAMENTOUS FUNGI FROM THE ATLANTIC FOREST BIOME PRODUCING ENZYMES OF THE PECTINOLYTIC COMPLEX. <i>Brazilian Journal of Development</i> , 2020, 6, 57580-57585.	0.1	1
49	A THERMOSTABLE XYLANASE FROM A NEW STRAIN OF <i>ASPERGILLUS FUMIGATUS</i> PRESENTS HIGH ABILITY TO HYDROLYZE HEMICELLULOSE FROM CORN STRAW / UMA XILANASE TERMOESTÁVEL DE UMA NOVA ESTIRPE DE <i>ASPERGILLUS FUMIGATUS</i> APRESENTA ELEVADA CAPACIDADE DE HIDROLISAR HEMICELLULOSE A PARTIR DE PALHA DE MILHO. <i>Brazilian Journal of Development</i> , 2020, 6, 69054-69077.	0.1	1
50	AVALIAÇÃO DA ATIVIDADE XILANASE DE CULTIVOS DE FUNGOS MESÓFILO E TERMÓFILO UTILIZANDO RESÍDUOS E SUBPRODUTOS AGRÍCOLAS. <i>Brazilian Journal of Development</i> , 2020, 6, 61349-61356.	0.1	0
51	Structural and Gene Characterization of a New Antifungal Peptide Obtained from <i>Penicillium crustosum</i> FP11 Strain. <i>International Journal of Biochemistry Research & Review</i> , 0, , 50-60.	0.1	0
52	Os impactos da qualidade nos exames citopatológicos do colo do útero, numa cidade de triplíce fronteira, na pandemia de COVID-19. <i>Research, Society and Development</i> , 2022, 11, e52411629428.	0.1	0