

Betania Ferraz Quirino

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

2,746
citations

23
h-index

52
g-index

58
ext. papers

3,086
ext. citations

4.4
avg. IF

4.86
L-index

#	Paper	IF	Citations
54	Deconstruction of Lignin: From Enzymes to Microorganisms. <i>Molecules</i> , 2021 , 26,	4.8	15
53	Bacterial diversity dynamics in microbial consortia selected for lignin utilization. <i>PLoS ONE</i> , 2021 , 16, e0255083	3.7	0
52	Functional screening of a Caatinga goat (<i>Capra hircus</i>) rumen metagenomic library reveals a novel GH3 β -xylosidase. <i>PLoS ONE</i> , 2021 , 16, e0245118	3.7	0
51	Seasonal Variations in Soil Microbiota Profile of Termite (<i>Reticulitermes</i>) Mounds in the Brazilian Tropical Savanna. <i>Microorganisms</i> , 2020 , 8,	4.9	3
50	Functional and structural characterization of a novel GH3 β -glucosidase from the gut metagenome of the Brazilian Cerrado termite <i>Syntermes wheeleri</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 822-834	7.9	3
49	Unraveling the xylanolytic potential of Acidobacteria bacterium AB60 from Cerrado soils. <i>FEMS Microbiology Letters</i> , 2020 , 367,	2.9	5
48	as a model of photosynthetic bioreactor for expression of recombinant β -glucosidases. <i>Biotechnology for Biofuels</i> , 2019 , 12, 174	7.8	6
47	Targeted Metabolomics of Xylose-Fermenting Yeasts Based on Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019 , 1859, 155-169	1.4	1
46	Heterologous expression and characterization of a putative glycoside hydrolase family 43 arabinofuranosidase from <i>Clostridium thermocellum</i> B8. <i>Enzyme and Microbial Technology</i> , 2018 , 109, 74-83	3.8	13
45	Fungal diversity in oil palm leaves showing symptoms of Fatal Yellowing disease. <i>PLoS ONE</i> , 2018 , 13, e0191884	3.7	11
44	Growth and expression of relevant metabolic genes of <i>Clostridium thermocellum</i> cultured on lignocellulosic residues. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 825-834	4.2	7
43	Recombinant expression of <i>Thermobifida fusca</i> E7 LPMO in <i>Pichia pastoris</i> and <i>Escherichia coli</i> and their functional characterization. <i>Carbohydrate Research</i> , 2017 , 448, 175-181	2.9	9
42	Characterization of <i>Clostridium thermocellum</i> (B8) secretome and purified cellulosomes for lignocellulosic biomass degradation. <i>Enzyme and Microbial Technology</i> , 2017 , 97, 43-54	3.8	27
41	Functional Metagenomics as a Tool for Identification of New Antibiotic Resistance Genes from Natural Environments. <i>Microbial Ecology</i> , 2017 , 73, 479-491	4.4	24
40	Characterization of sugarcane (<i>Saccharum</i> spp.) leaf senescence: implications for biofuel production. <i>Biotechnology for Biofuels</i> , 2016 , 9, 153	7.8	17
39	Archaeal Community Changes Associated with Cultivation of Amazon Forest Soil with Oil Palm. <i>Archaea</i> , 2016 , 2016, 3762159	2	9
38	Microbial Diversity in Cerrado Biome (Neotropical Savanna) Soils. <i>PLoS ONE</i> , 2016 , 11, e0148785	3.7	34

37	Functional and structural characterization of a novel putative cysteine protease cell wall-modifying multi-domain enzyme selected from a microbial metagenome. <i>Scientific Reports</i> , 2016 , 6, 38031	4.9	7
36	New dioxygenase from metagenomic library from Brazilian soil: insights into antibiotic resistance and bioremediation. <i>Biotechnology Letters</i> , 2015 , 37, 1809-17	3	14
35	Microbial diversity in sugarcane ethanol production in a Brazilian distillery using a culture-independent method. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015 , 42, 73-84	4.2	36
34	Discovery and characterization of ionic liquid-tolerant thermophilic cellulases from a switchgrass-adapted microbial community. <i>Biotechnology for Biofuels</i> , 2014 , 7, 15	7.8	58
33	Critical Analysis of Feedstock Availability and Composition, and New Potential Resources for Biodiesel Production in Brazil 2014 , 331-350		3
32	Physiological and proteomic analyses of <i>Saccharum</i> spp. grown under salt stress. <i>PLoS ONE</i> , 2014 , 9, e98463	3.7	30
31	Seasonal effects in a lake sediment archaeal community of the Brazilian Savanna. <i>Archaea</i> , 2014 , 2014, 957145	2	9
30	Discovery of two novel β -glucosidases from an Amazon soil metagenomic library. <i>FEMS Microbiology Letters</i> , 2014 , 351, 147-55	2.9	22
29	Soil Acidobacterial 16S rRNA Gene Sequences Reveal Subgroup Level Differences between Savanna-Like Cerrado and Atlantic Forest Brazilian Biomes. <i>International Journal of Microbiology</i> , 2014 , 2014, 156341	3.6	23
28	Acidobacteria from oligotrophic soil from the Cerrado can grow in a wide range of carbon source concentrations. <i>Canadian Journal of Microbiology</i> , 2013 , 59, 746-53	3.2	39
27	Genomes and Post-genome Technology 2013 , 329-344		
26	Biodiesel production in Brazil and alternative biomass feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 21, 411-420	16.2	147
25	Combining "omics" strategies to analyze the biotechnological potential of complex microbial environments. <i>Current Protein and Peptide Science</i> , 2013 , 14, 447-58	2.8	20
24	Biodiesel biorefinery: opportunities and challenges for microbial production of fuels and chemicals from glycerol waste. <i>Biotechnology for Biofuels</i> , 2012 , 5, 48	7.8	162
23	Characterization of soil bacterial assemblies in Brazilian savanna-like vegetation reveals acidobacteria dominance. <i>Microbial Ecology</i> , 2012 , 64, 760-70	4.4	66
22	Diversity of Brazilian biovar 2 strains of <i>Ralstonia solanacearum</i> . <i>Journal of General Plant Pathology</i> , 2012 , 78, 190-200	1	14
21	Bacteria and Archaea community structure in the rumen microbiome of goats (<i>Capra hircus</i>) from the semiarid region of Brazil. <i>Anaerobe</i> , 2011 , 17, 118-24	2.8	58
20	Construction and validation of two metagenomic DNA libraries from Cerrado soil with high clay content. <i>Biotechnology Letters</i> , 2011 , 33, 2169-75	3	15

19	Molecular Markers Reveal Limited Genetic Diversity in a Large Germplasm Collection of the Biofuel Crop <i>Jatropha curcas</i> L. in Brazil. <i>Crop Science</i> , 2010 , 50, 2372-2382	2.4	78
18	Identification of <i>E. dysenterica</i> laxative peptide: a novel strategy in the treatment of chronic constipation and irritable bowel syndrome. <i>Peptides</i> , 2010 , 31, 1426-33	3.8	26
17	Proteomic approaches to study plant-pathogen interactions. <i>Phytochemistry</i> , 2010 , 71, 351-62	4	74
16	Molecular phylogenetic diversity of bacteria associated with soil of the savanna-like Cerrado vegetation. <i>Microbiological Research</i> , 2009 , 164, 59-70	5.3	47
15	Proteomic evaluation of coffee zygotic embryos in two different stages of seed development. <i>Plant Physiology and Biochemistry</i> , 2009 , 47, 1046-50	5.4	12
14	Analysis of the Arabidopsis histidine kinase ATHK1 reveals a connection between vegetative osmotic stress sensing and seed maturation. <i>Plant Cell</i> , 2008 , 20, 1101-17	11.6	183
13	<i>Xanthomonas gardneri</i> exoenzymatic activity towards plant tissue. <i>World Journal of Microbiology and Biotechnology</i> , 2008 , 24, 163-170	4.4	5
12	Diversity of soil fungal communities of Cerrado and its closely surrounding agriculture fields. <i>Archives of Microbiology</i> , 2008 , 190, 129-39	3	43
11	Identification of an alpha-amylase inhibitor from <i>Pterodon pubescens</i> with ability to inhibit cowpea weevil digestive enzymes. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 4382-7	5.7	7
10	Plant cyclotides: an unusual class of defense compounds. <i>Peptides</i> , 2007 , 28, 1475-81	3.8	50
9	Natural variability in Arabidopsis thaliana germplasm response to <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Tropical Plant Pathology</i> , 2007 , 32, 97-103		1
8	Molecular identification of four different alpha-amylase inhibitors from baru (<i>Dipteryx alata</i>) seeds with activity toward insect enzymes. <i>BMB Reports</i> , 2007 , 40, 494-500	5.5	13
7	Evaluation of Arabidopsis thaliana response to infection by Tomato spotted wilt virus and Groundnut ringspot virus. <i>Tropical Plant Pathology</i> , 2006 , 31, 101-101		
6	Senescence and Genetic Engineering 2004 , 91-105		1
5	Identification and functional analysis of Arabidopsis proteins that interact with resistance gene product RPS2 in yeast. <i>Physiological and Molecular Plant Pathology</i> , 2004 , 65, 257-267	2.6	7
4	Deciphering host resistance and pathogen virulence: the Arabidopsis/ <i>Pseudomonas</i> interaction as a model. <i>Molecular Plant Pathology</i> , 2003 , 4, 517-30	5.7	50
3	One of two tandem Arabidopsis genes homologous to monosaccharide transporters is senescence-associated. <i>Plant Molecular Biology</i> , 2001 , 46, 447-57	4.6	75
2	Diverse range of gene activity during Arabidopsis thaliana leaf senescence includes pathogen-independent induction of defense-related genes. <i>Plant Molecular Biology</i> , 1999 , 40, 267-78	4.6	216

- 1 A comparison of the expression patterns of several senescence-associated genes in response to stress and hormone treatment. *Plant Molecular Biology*, **1998**, 37, 455-69 4.6 464