

# Betania Ferraz Quirino

## List of Publications by Citations

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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	A comparison of the expression patterns of several senescence-associated genes in response to stress and hormone treatment. <i>Plant Molecular Biology</i> , <b>1998</b> , 37, 455-69	4.6	464
53	Diverse range of gene activity during <i>Arabidopsis thaliana</i> leaf senescence includes pathogen-independent induction of defense-related genes. <i>Plant Molecular Biology</i> , <b>1999</b> , 40, 267-78	4.6	216
52	Analysis of the <i>Arabidopsis</i> histidine kinase ATHK1 reveals a connection between vegetative osmotic stress sensing and seed maturation. <i>Plant Cell</i> , <b>2008</b> , 20, 1101-17	11.6	183
51	Biodiesel biorefinery: opportunities and challenges for microbial production of fuels and chemicals from glycerol waste. <i>Biotechnology for Biofuels</i> , <b>2012</b> , 5, 48	7.8	162
50	Biodiesel production in Brazil and alternative biomass feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , <b>2013</b> , 21, 411-420	16.2	147
49	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> , <b>2010</b> , 50, 2372-2382	2.4	78
48	One of two tandem <i>Arabidopsis</i> genes homologous to monosaccharide transporters is senescence-associated. <i>Plant Molecular Biology</i> , <b>2001</b> , 46, 447-57	4.6	75
47	Proteomic approaches to study plant-pathogen interactions. <i>Phytochemistry</i> , <b>2010</b> , 71, 351-62	4	74
46	Characterization of soil bacterial assemblages in Brazilian savanna-like vegetation reveals acidobacteria dominance. <i>Microbial Ecology</i> , <b>2012</b> , 64, 760-70	4.4	66
45	Discovery and characterization of ionic liquid-tolerant thermophilic cellulases from a switchgrass-adapted microbial community. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 15	7.8	58
44	Bacteria and Archaea community structure in the rumen microbiome of goats ( <i>Capra hircus</i> ) from the semiarid region of Brazil. <i>Anaerobe</i> , <b>2011</b> , 17, 118-24	2.8	58
43	Plant cyclotides: an unusual class of defense compounds. <i>Peptides</i> , <b>2007</b> , 28, 1475-81	3.8	50
42	Deciphering host resistance and pathogen virulence: the <i>Arabidopsis/Pseudomonas</i> interaction as a model. <i>Molecular Plant Pathology</i> , <b>2003</b> , 4, 517-30	5.7	50
41	Molecular phylogenetic diversity of bacteria associated with soil of the savanna-like Cerrado vegetation. <i>Microbiological Research</i> , <b>2009</b> , 164, 59-70	5.3	47
40	Diversity of soil fungal communities of Cerrado and its closely surrounding agriculture fields. <i>Archives of Microbiology</i> , <b>2008</b> , 190, 129-39	3	43
39	Acidobacteria from oligotrophic soil from the Cerrado can grow in a wide range of carbon source concentrations. <i>Canadian Journal of Microbiology</i> , <b>2013</b> , 59, 746-53	3.2	39
38	Microbial diversity in sugarcane ethanol production in a Brazilian distillery using a culture-independent method. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2015</b> , 42, 73-84	4.2	36

37	Microbial Diversity in Cerrado Biome (Neotropical Savanna) Soils. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148785	3.7	34
36	Physiological and proteomic analyses of <i>Saccharum</i> spp. grown under salt stress. <i>PLoS ONE</i> , <b>2014</b> , 9, e98463	3.7	30
35	Characterization of <i>Clostridium thermocellum</i> (B8) secretome and purified cellulosomes for lignocellulosic biomass degradation. <i>Enzyme and Microbial Technology</i> , <b>2017</b> , 97, 43-54	3.8	27
34	Identification of <i>E. dysenterica</i> laxative peptide: a novel strategy in the treatment of chronic constipation and irritable bowel syndrome. <i>Peptides</i> , <b>2010</b> , 31, 1426-33	3.8	26
33	Functional Metagenomics as a Tool for Identification of New Antibiotic Resistance Genes from Natural Environments. <i>Microbial Ecology</i> , <b>2017</b> , 73, 479-491	4.4	24
32	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> , <b>2014</b> , 2014, 156341	3.6	23
31	Discovery of two novel $\beta$ -glucosidases from an Amazon soil metagenomic library. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 351, 147-55	2.9	22
30	Combining "omics" strategies to analyze the biotechnological potential of complex microbial environments. <i>Current Protein and Peptide Science</i> , <b>2013</b> , 14, 447-58	2.8	20
29	Characterization of sugarcane ( <i>Saccharum</i> spp.) leaf senescence: implications for biofuel production. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 153	7.8	17
28	Construction and validation of two metagenomic DNA libraries from Cerrado soil with high clay content. <i>Biotechnology Letters</i> , <b>2011</b> , 33, 2169-75	3	15
27	Deconstruction of Lignin: From Enzymes to Microorganisms. <i>Molecules</i> , <b>2021</b> , 26,	4.8	15
26	New dioxygenase from metagenomic library from Brazilian soil: insights into antibiotic resistance and bioremediation. <i>Biotechnology Letters</i> , <b>2015</b> , 37, 1809-17	3	14
25	Diversity of Brazilian biovar 2 strains of <i>Ralstonia solanacearum</i> . <i>Journal of General Plant Pathology</i> , <b>2012</b> , 78, 190-200	1	14
24	Heterologous expression and characterization of a putative glycoside hydrolase family 43 arabinofuranosidase from <i>Clostridium thermocellum</i> B8. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 109, 74-83	3.8	13
23	Molecular identification of four different alpha-amylase inhibitors from baru ( <i>Dipteryx alata</i> ) seeds with activity toward insect enzymes. <i>BMB Reports</i> , <b>2007</b> , 40, 494-500	5.5	13
22	Proteomic evaluation of coffee zygotic embryos in two different stages of seed development. <i>Plant Physiology and Biochemistry</i> , <b>2009</b> , 47, 1046-50	5.4	12
21	Fungal diversity in oil palm leaves showing symptoms of Fatal Yellowing disease. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191884	3.7	11
20	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> , <b>2017</b> , 448, 175-181	2.9	9

19	Seasonal effects in a lake sediment archaeal community of the Brazilian Savanna. <i>Archaea</i> , <b>2014</b> , 2014, 957145	2	9
18	Archaeal Community Changes Associated with Cultivation of Amazon Forest Soil with Oil Palm. <i>Archaea</i> , <b>2016</b> , 2016, 3762159	2	9
17	Growth and expression of relevant metabolic genes of <i>Clostridium thermocellum</i> cultured on lignocellulosic residues. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2017</b> , 44, 825-834	4.2	7
16	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> , <b>2007</b> , 55, 4382-7	5.7	7
15	Identification and functional analysis of Arabidopsis proteins that interact with resistance gene product RPS2 in yeast. <i>Physiological and Molecular Plant Pathology</i> , <b>2004</b> , 65, 257-267	2.6	7
14	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> , <b>2016</b> , 6, 38031	4.9	7
13	as a model of photosynthetic bioreactor for expression of recombinant $\beta$ glucosidases. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 174	7.8	6
12	<i>Xanthomonas gardneri</i> exoenzymatic activity towards plant tissue. <i>World Journal of Microbiology and Biotechnology</i> , <b>2008</b> , 24, 163-170	4.4	5
11	Unraveling the xylanolytic potential of Acidobacteria bacterium AB60 from Cerrado soils. <i>FEMS Microbiology Letters</i> , <b>2020</b> , 367,	2.9	5
10	Critical Analysis of Feedstock Availability and Composition, and New Potential Resources for Biodiesel Production in Brazil <b>2014</b> , 331-350		3
9	Seasonal Variations in Soil Microbiota Profile of Termite () Mounds in the Brazilian Tropical Savanna. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	3
8	Functional and structural characterization of a novel GH3 $\beta$ glucosidase from the gut metagenome of the Brazilian Cerrado termite <i>Syntermes wheeleri</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 822-834	7.9	3
7	Senescence and Genetic Engineering <b>2004</b> , 91-105		1
6	Natural variability in Arabidopsis thaliana germplasm response to <i>Xanthomonas campestris</i> pv. <i>campestris</i> . <i>Tropical Plant Pathology</i> , <b>2007</b> , 32, 97-103		1
5	Targeted Metabolomics of Xylose-Fermenting Yeasts Based on Mass Spectrometry. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1859, 155-169	1.4	1
4	Bacterial diversity dynamics in microbial consortia selected for lignin utilization. <i>PLoS ONE</i> , <b>2021</b> , 16, e0255083	3.7	0
3	Functional screening of a Caatinga goat ( <i>Capra hircus</i> ) rumen metagenomic library reveals a novel GH3 $\beta$ xylosidase. <i>PLoS ONE</i> , <b>2021</b> , 16, e0245118	3.7	0
2	Genomes and Post-genome Technology <b>2013</b> , 329-344		

- 1 Evaluation of *Arabidopsis thaliana* response to infection by Tomato spotted wilt virus and Groundnut ringspot virus. *Tropical Plant Pathology*, **2006**, 31, 101-101