

Ana Carolina Maisonnave Arisi

List of Publications by Year in descending order

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73
papers

1,942
citations

304368

22
h-index

276539

41
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74
all docs

74
docs citations

74
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	Manipulation of Glutathione and Amino Acid Biosynthesis in the Chloroplast. <i>Plant Physiology</i> , 1998, 118, 471-482.	2.3	190
2	Robust biological nitrogen fixation in a model grass-bacterial association. <i>Plant Journal</i> , 2015, 81, 907-919.	2.8	171
3	Modification of thiol contents in poplars (<i>Populus tremula</i> – <i>P. alba</i>) overexpressing enzymes involved in glutathione synthesis. <i>Planta</i> , 1997, 203, 362-372.	1.6	117
4	Responses to cadmium in leaves of transformed poplars overexpressing γ -glutamylcysteine synthetase. <i>Physiologia Plantarum</i> , 2000, 109, 143-149.	2.6	90
5	Overexpression of Iron Superoxide Dismutase in Transformed Poplar Modifies the Regulation of Photosynthesis at Low CO ₂ Partial Pressures or Following Exposure to the Prooxidant Herbicide Methyl Viologen. <i>Plant Physiology</i> , 1998, 117, 565-574.	2.3	84
6	Light-dependent modulation of foliar glutathione synthesis and associated amino acid metabolism in poplar overexpressing γ -glutamylcysteine synthetase. <i>Planta</i> , 1997, 202, 357-369.	1.6	76
7	Detecting authorized and unauthorized genetically modified organisms containing vip3A by real-time PCR and next-generation sequencing. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2603-2611.	1.9	64
8	Quantification of <i>Lactobacillus paracasei</i> viable cells in probiotic yoghurt by propidium monoazide combined with quantitative PCR. <i>International Journal of Food Microbiology</i> , 2018, 264, 1-7.	2.1	51
9	Differential effects of short-term lindane administration on parameters related to oxidative stress in rat liver and erythrocytes. <i>Journal of Biochemical Toxicology</i> , 1993, 8, 187-194.	0.5	48
10	Differential growth responses of <i>Brachypodium distachyon</i> genotypes to inoculation with plant growth promoting rhizobacteria. <i>Plant Molecular Biology</i> , 2016, 90, 689-697.	2.0	48
11	Development and validation of real-time PCR screening methods for detection of cry1A.105 and cry2Ab2 genes in genetically modified organisms. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1433-1442.	1.9	42
12	Cloning, Expression, Purification, and Characterization of a Novel Esterase from <i>Lactobacillus plantarum</i> . <i>Molecular Biotechnology</i> , 2010, 44, 242-249.	1.3	41
13	Occurrence of <i>Staphylococcus aureus</i> and multiplex pcr detection of classic enterotoxin genes in cheese and meat products. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 145-148.	0.8	38
14	Proteomic Analysis of Four Brazilian MON810 Maize Varieties and Their Four Non-Genetically-Modified Isogenic Varieties. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11553-11559.	2.4	36
15	Genetic variability in four fish species (<i>Pimelodus maculatus</i> , <i>Prochilodus lineatus</i> , <i>Salminus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj and Technology, 2006, 49, 589-598.	0.5	35
16	Photoinhibition of photosystem II in tobacco plants overexpressing glutathione reductase and poplars overexpressing superoxide dismutase. <i>Physiologia Plantarum</i> , 1999, 105, 409-416.	2.6	34
17	Gene expression analysis of maize seedlings (DKB240 variety) inoculated with plant growth promoting bacterium <i>Herbaspirillum seropedicae</i> . <i>Symbiosis</i> , 2014, 62, 41-50.	1.2	34
18	Genetic mapping of semi-polar metabolites in pepper fruits (<i>Capsicum</i> sp.): towards unravelling the molecular regulation of flavonoid quantitative trait loci. <i>Molecular Breeding</i> , 2014, 33, 503-518.	1.0	33

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19	Regression of morphological alterations and oxidative stress-related parameters after acute lindane-induced hepatotoxicity in rats. <i>Toxicology</i> , 1997, 117, 199-205.	2.0	30
20	Real-Time PCR Quantification of the Plant Growth Promoting Bacteria <i>Herbaspirillum seropedicae</i> Strain SmR1 in Maize Roots. <i>Molecular Biotechnology</i> , 2014, 56, 660-70.	1.3	29
21	Monitoring of GMO in Brazilian processed meat and soy-based products from 2007 to 2008. <i>Journal of Food Composition and Analysis</i> , 2010, 23, 226-229.	1.9	27
22	Acute lindane intoxication: A study on lindane tissue concentration and oxidative stress-related parameters in liver and erythrocytes. <i>Journal of Biochemical Toxicology</i> , 1994, 9, 9-15.	0.5	26
23	Comparison of real-time PCR assay and plate count for <i>Lactobacillus paracasei</i> enumeration in yoghurt. <i>Annals of Microbiology</i> , 2016, 66, 597-606.	1.1	26
24	Real time PCR detection targeting nifA gene of plant growth promoting bacteria <i>Azospirillum brasilense</i> strain FP2 in maize roots. <i>Symbiosis</i> , 2013, 61, 125-133.	1.2	23
25	A high-throughput method for GMO multi-detection using a microfluidic dynamic array. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1397-1410.	1.9	23
26	Extraction of antifreeze proteins from cold acclimated leaves of <i>Drimys angustifolia</i> and their application to star fruit (<i>Averrhoa carambola</i>) freezing. <i>Food Chemistry</i> , 2019, 289, 65-73.	4.2	23
27	Recombinant DNA in meat additives: Specific detection of Roundup Ready [®] , [®] soybean by nested PCR. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1980-1984.	1.7	20
28	Safety assessment of plant varieties using transcriptomics profiling and a one-class classifier. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 297-303.	1.3	20
29	Monitoring of MON810 genetically modified maize in foods in Brazil from 2005 to 2007. <i>Journal of Food Composition and Analysis</i> , 2008, 21, 515-518.	1.9	19
30	Quantification of Roundup Ready [®] , [®] soybean in Brazilian soy [®] -derived foods by real [®] -time PCR. <i>International Journal of Food Science and Technology</i> , 2008, 43, 1027-1032.	1.3	19
31	Evaluation of polymerase chain reaction and DNA isolation protocols for detection of genetically modified soybean. <i>International Journal of Food Science and Technology</i> , 2007, 42, 1249-1255.	1.3	18
32	Identification of six differentially accumulated proteins of <i>Zea mays</i> seedlings (DKB240 variety) inoculated with <i>Azospirillum brasilense</i> strain FP2. <i>European Journal of Soil Biology</i> , 2013, 58, 45-50.	1.4	18
33	Comparative Proteomic Analysis of Two Varieties of Genetically Modified (GM) Embrapa 5.1 Common Bean (<i>Phaseolus vulgaris</i> L.) and Their Non-GM Counterparts. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10569-10577.	2.4	18
34	Proteome comparison for discrimination between honeydew and floral honeys from botanical species <i>Mimosa scabrella</i> Benthham by principal component analysis. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4515-4519.	1.7	18
35	Biochemical and Structural Characterization of Two Site-Directed Mutants of <i>Staphylococcus xylosum</i> Lipase. <i>Molecular Biotechnology</i> , 2010, 46, 168-175.	1.3	16
36	Structural stability of <i>Staphylococcus xylosum</i> lipase is modulated by Zn ²⁺ ions. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1120-1126.	1.1	16

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37	Leaf proteome comparison of two <sc>GM</sc> common bean varieties and their non- <i>GM</i> counterparts by principal component analysis. Journal of the Science of Food and Agriculture, 2016, 96, 927-932.	1.7	16
38	Nested PCR detection of genetically modified soybean in soybean flour, infant formula and soymilk. LWT - Food Science and Technology, 2007, 40, 748-751.	2.5	15
39	Phenotypic and molecular characterization of <i>Staphylococcus xylosum</i> : technological potential for use in fermented sausage. Brazilian Archives of Biology and Technology, 2009, 52, 737-746.	0.5	15
40	The regulation of transcription of genes related to oxidative stress and glutathione synthesis in <i>Zea mays</i> leaves by nitric oxide. Biologia Plantarum, 2013, 57, 620-626.	1.9	15
41	<i>Herbaspirillum seropedicae</i> promotes maize growth but fails to control the maize leaf anthracnose. Physiology and Molecular Biology of Plants, 2019, 25, 167-176.	1.4	15
42	Development of Plasmid DNA Reference Material for the Quantification of Genetically Modified Common Bean Embrapa 5.1. Journal of Agricultural and Food Chemistry, 2013, 61, 4921-4926.	2.4	14
43	Expressed Proteins of <i>Herbaspirillum seropedicae</i> in Maize (DKB240) Roots-Bacteria Interaction Revealed Using Proteomics. Applied Biochemistry and Biotechnology, 2014, 174, 2267-2277.	1.4	14
44	Dose-dependent effects of acute lindane treatment on Kupffer cell function assessed in the isolated perfused rat liver. Xenobiotica, 1997, 27, 747-757.	0.5	13
45	Heterologous Expression and Purification of a Heat-Tolerant <i>Staphylococcus xylosum</i> Lipase. Molecular Biotechnology, 2010, 44, 110-119.	1.3	13
46	Primers and Probes Development for Specific PCR Detection of Genetically Modified Common Bean (<i>Phaseolus vulgaris</i>) Embrapa 5.1. Journal of Agricultural and Food Chemistry, 2012, 60, 4672-4677.	2.4	13
47	Microscopic and proteomic analysis of <i>Zea mays</i> roots (P30F53 variety) inoculated with <i>Azospirillum brasilense</i> strain FP2. Journal of Crop Science and Biotechnology, 2015, 18, 63-71.	0.7	13
48	Optimization of random amplified polymorphic DNA protocol for molecular identification of <i>Lophium gastrophysus</i> . Food Science and Technology, 2005, 25, 733-735.	0.8	11
49	Monitoring of Bt11 and Bt176 genetically modified maize in food sold commercially in Brazil from 2005 to 2007. Journal of the Science of Food and Agriculture, 2010, 90, 1566-1569.	1.7	11
50	Brain and liver lipid peroxidation levels following acute and short-term lindane administration in the rat. Toxicology Letters, 1994, 74, 61-68.	0.4	10
51	Comparison of Grain Proteome Profiles of Four Brazilian Common Bean (<i>Phaseolus vulgaris</i> L.) Cultivars. Journal of Agricultural and Food Chemistry, 2017, 65, 7588-7597.	2.4	10
52	Application of propidium monoazide coupled with quantitative PCR to evaluate cell viability of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> in a non-dairy probiotic beverage. Annals of Microbiology, 2020, 70, .	1.1	10
53	<i>Azospirillum brasilense</i> viable cells enumeration using propidium monoazide-quantitative PCR. Archives of Microbiology, 2020, 202, 1653-1662.	1.0	10
54	Prolonged phenobarbital pretreatment abolishes the early oxidative stress component induced in the liver by acute lindane intoxication. Toxicology Letters, 2000, 115, 45-51.	0.4	9

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55	Phenotypic characterization and species-specific PCR of promising starter culture strains of <i>Lactobacillus plantarum</i> isolated from naturally fermented sausages. <i>Brazilian Journal of Microbiology</i> , 2007, 38, 547-552.	0.8	9
56	Development of an Event-Specific Hydrolysis Probe Quantitative Real-Time Polymerase Chain Reaction Assay for Embrapa 5.1 Genetically Modified Common Bean (<i>Phaseolus vulgaris</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11994-12000.	2.4	9
57	The role of glycine in determining the rate of glutathione synthesis in poplar. Possible implications for glutathione production during stress. <i>Physiologia Plantarum</i> , 1997, 100, 255-263.	2.6	8
58	Tuber proteome comparison of five potato varieties by principal component analysis. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 3928-3936.	1.7	8
59	<i>Bifidobacterium animalis</i> ssp. <i>lactis</i> BB-12 enumeration by quantitative PCR assay in microcapsules with full-fat goat milk and inulin-type fructans. <i>Food Research International</i> , 2020, 133, 109131.	2.9	8
60	Immobilization of a Recombinant Esterase from <i>Lactobacillus plantarum</i> on Polypropylene Accurel MP1000. <i>Applied Biochemistry and Biotechnology</i> , 2011, 163, 304-312.	1.4	7
61	Sodium nitroprusside modulates gene expression involved in glutathione synthesis in <i>Zea mays</i> leaves. <i>Biologia Plantarum</i> , 2012, 56, 383-388.	1.9	7
62	Chemical characterization of liquid residues from aqueous enzymatic extraction of soybean oil. <i>LWT - Food Science and Technology</i> , 2013, 51, 51-58.	2.5	7
63	Tools to evaluate <i>Herbaspirillum seropedicae</i> abundance and <i>nifH</i> and <i>rpoC</i> expression in inoculated maize seedlings grown in vitro and in soil. <i>Plant Growth Regulation</i> , 2017, 83, 397-408.	1.8	7
64	Genetic similarity of Brazilian hull-less and malting barley varieties evaluated by RAPD markers. <i>Scientia Agricola</i> , 2005, 62, 36-39.	0.6	6
65	Antifreeze proteins in naturally cold acclimated leaves of <i>Drimys angustifolia</i> , <i>Senecio icoglossus</i> , and <i>Eucalyptus</i> ssp.. <i>Brazilian Journal of Food Technology</i> , 2016, 19, .	0.8	4
66	Protein profile and antioxidant capacity of processed seeds from two common bean (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	4
67	<i>Azospirillum brasilense</i> FP2 modulates respiratory burst oxidase gene expression in maize seedlings. <i>Indian Journal of Plant Physiology</i> , 2017, 22, 316-323.	0.8	3
68	Proteome Comparison of Grains from Two Maize Genotypes, with Colorless Kernel Pericarp (<i>P1-ww</i>) and Red Kernel Pericarp (<i>P1-rr</i>). <i>Food Biotechnology</i> , 2016, 30, 110-122.	0.6	2
69	New plasmid calibrators for geminivirus-resistant (EMB-PV051-1 event) common bean (<i>Phaseolus</i>) Tj ETQq1 1 0.784314 rgBT ₂ /Overlock	2.0	2
70	Inoculation of <i>Herbaspirillum seropedicae</i> strain SmR1 increases biomass in maize roots DKB 390 variety in the early stages of plant development. <i>Archives of Microbiology</i> , 2022, 204, .	1.0	2
71	High-added value co-products obtained from pecan nut (<i>Carya illinoensis</i>) using a green extraction technology. <i>Journal of Food Science and Technology</i> , 0, , 1.	1.4	1
72	Applicability of quantitative polymerase chain reaction (qPCR) assays for common bean authentication in processed food. <i>International Journal of Food Science and Technology</i> , 2019, 54, 1381-1389.	1.3	0

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73	Distribution of Genes Related to Probiotic Effects Across <i>Lactocaseibacillus rhamnosus</i> Revealed by Population Structure. <i>Probiotics and Antimicrobial Proteins</i> , 2021, , 1.	1.9	0