Maria Lucia Carneiro Vieira

List of Publications by Year
in descending order

106 papers	3,699 citations	147726 31 h-index	155592 55 g-index
113 all docs	113 docs citations	113 times ranked	3774 citing authors

#	Article	IF	Citations
1	Microsatellite markers: what they mean and why they are so useful. Genetics and Molecular Biology, 2016, 39, 312-328.	0.6	566
2	Origin, evolution and genome distribution of microsatellites. Genetics and Molecular Biology, 2006, 29, 294-307.	0.6	263
3	SNP genotyping allows an in-depth characterisation of the genome of sugarcane and other complex autopolyploids. Scientific Reports, 2013, 3, 3399.	1.6	129
4	Leaf shape analysis using the multiscale Minkowski fractal dimension, a new morphometric method: a study with Passiflora (Passifloraceae). Canadian Journal of Botany, 2005, 83, 287-301.	1.2	124
5	Symptomless infection of banana and maize by endophytic fungi impairs photosynthetic efficiency. New Phytologist, 2000, 147, 609-615.	3.5	117
6	Genetic distance of inbred lines and prediction of maize single-cross performance using RAPD markers. Theoretical and Applied Genetics, 1997, 94, 1023-1030.	1.8	115
7	Complete Genome Sequence of Sporisorium scitamineum and Biotrophic Interaction Transcriptome with Sugarcane. PLoS ONE, 2015, 10, e0129318.	1.1	93
8	Development, characterization, and comparative analysis of polymorphism at common bean SSR loci isolated from genic and genomic sources. Genome, 2007, 50, 266-277.	0.9	85
9	The Chloroplast Genome of Passiflora edulis (Passifloraceae) Assembled from Long Sequence Reads: Structural Organization and Phylogenomic Studies in Malpighiales. Frontiers in Plant Science, 2017, 8, 334.	1.7	79
10	Extension of the core map of common bean with EST-SSR, RGA, AFLP, and putative functional markers. Molecular Breeding, 2010, 25, 25-45.	1.0	72
11	Attacin A Gene from Tricloplusia ni Reduces Susceptibility to Xanthomonas axonopodis pv. citri in Transgenic Citrus sinensis 'Hamlin'. Journal of the American Society for Horticultural Science, 2006, 131, 530-536.	0.5	67
12	Tissue culture studies on species ofPassiflora. Plant Cell, Tissue and Organ Culture, 1994, 36, 211-217.	1.2	64
13	Detection and quantification of Aspergillus westerdijkiae in coffee beans based on selective amplification of î²-tubulin gene by using real-time PCR. International Journal of Food Microbiology, 2007, 119, 270-276.	2.1	57
14	RNAseq Transcriptional Profiling following Whip Development in Sugarcane Smut Disease. PLoS ONE, 2016, 11, e0162237.	1.1	56
15	Transgenic Sweet Orange (Citrus sinensis L. Osbeck) Expressing the attacin A Gene for Resistance to Xanthomonas citri subsp. citri. Plant Molecular Biology Reporter, 2010, 28, 185-192.	1.0	54
16	Genetic variability in the endophytic fungus Guignardia citricarpa isolated from citrus plants. Genetics and Molecular Biology, 2002, 25, 251-255.	0.6	53
17	Genetic instability of sugarcane plants derived from meristem cultures. Genetics and Molecular Biology, 2002, 25, 91-96.	0.6	49
18	Prospecting for the incidence of genes involved in ochratoxin and fumonisin biosynthesis in Brazilian strains of Aspergillus niger and Aspergillus welwitschiae. International Journal of Food Microbiology, 2016, 221, 19-28.	2.1	49

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19	A Repertory of Rearrangements and the Loss of an Inverted Repeat Region in Passiflora Chloroplast Genomes. Genome Biology and Evolution, 2020, 12, 1841-1857.	1.1	49
20	Cytogenetic studies in some species of Passiflora L. (Passifloraceae): a review emphasizing Brazilian species. Brazilian Archives of Biology and Technology, 2008, 51, 247-258.	0.5	48
21	Resistance to Passion fruit woodiness virus in Transgenic Passionflower Expressing the Virus Coat Protein Gene. Plant Disease, 2006, 90, 1026-1030.	0.7	47
22	An Integrated Molecular Map of Yellow Passion Fruit Based on Simultaneous Maximum-likelihood Estimation of Linkage and Linkage Phases. Journal of the American Society for Horticultural Science, 2008, 133, 35-41.	0.5	44
23	Diversity among soil and insect isolates of Metarhizium anisopliae var. anisopliae detected by RAPD. Letters in Applied Microbiology, 1996, 22, 389-392.	1.0	43
24	Endophytic fungi from Musa acuminata and their reintroduction into axenic plants. World Journal of Microbiology and Biotechnology, 1999, 15, 37-40.	1.7	43
25	New insights into the in vitro organogenesis process: the case of Passiflora. Plant Cell, Tissue and Organ Culture, 2007, 91, 37-44.	1.2	42
26	Development and characterization of microsatellite markers from the yellow passion fruit (Passiflora edulis f. flavicarpa). Molecular Ecology Notes, 2005, 5, 331-333.	1.7	38
27	Genetic and Phenotypic Parameter Estimates for Yield and Fruit Quality Traits from a Single Wide Cross in Yellow Passion Fruit. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1978-1981.	0.5	36
28	RAPD-based genetic linkage maps of yellow passion fruit (Passiflora edulisSims. f.flavicarpaDeg.). Genome, 2002, 45, 670-678.	0.9	35
29	A novel linkage map of sugarcane with evidence for clustering of retrotransposon-based markers. BMC Genetics, 2012, 13, 51.	2.7	34
30	Molecular analysis of Aspergillus section Flavi isolated from Brazil nuts. World Journal of Microbiology and Biotechnology, 2012, 28, 1817-1825.	1.7	34
31	Begin at the beginning: A BAC-end view of the passion fruit (Passiflora) genome. BMC Genomics, 2014, 15, 816.	1.2	34
32	Analysis of plant gene expression during passion fruitâ€“Xanthomonas axonopodis interaction implicates lipoxygenase 2 in host defence. Annals of Applied Biology, 2015, 167, 135-155.	1.3	33
33	Sugarcane Cell Wall-Associated Defense Responses to Infection by Sporisorium scitamineum. Frontiers in Plant Science, 2018, 9, 698.	1.7	33
34	Plant regeneration from protoplast fusion inPassiflora spp.. Plant Cell Reports, 1995, 15, 106-110.	2.8	32
35	Isolation and characterization of microsatellite markers from the sweet passion fruit (Passiflora) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	32
36	Strain-specific polyketide synthase genes of Aspergillus niger. International Journal of Food Microbiology, 2012, 155, 137-145.	2.1	32

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37	Evidence for Strong Kinship Influence on the Extent of Linkage Disequilibrium in Cultivated Common Beans. Genes, 2019, 10, 5.	1.0	32
38	Genetic-diversity assessed by microsatellites in tropical maize populations submitted to a high-intensity reciprocal recurrent selection. Euphytica, 2003, 134, 277-286.	0.6	31
39	Revisiting Meiosis in Sugarcane: Chromosomal Irregularities and the Prevalence of Bivalent Configurations. Frontiers in Genetics, 2018, 9, 213.	1.1	31
40	Plant regeneration from protoplast cultures of Passiflora edulis var. flavicarpa Deg., P. amethystina Mikan. and P. cincinnata Mast.. Plant Cell Reports, 1993, 13, 103-106.	2.8	29
41	Molecular polymorphism and linkage analysis in sweet passion fruit, an outcrossing species. Annals of Applied Biology, 2013, 162, 347-361.	1.3	29
42	Screening of Passiflora species for reaction to Cowpea aphid-borne mosaic virus reveals an immune wild species. Scientia Agricola, 2009, 66, 414-418.	0.6	29
43	In vitro conservation of Passiflora â€"A review. Scientia Horticulturae, 2016, 211, 305-311.	1.7	28
44	Histological Analysis of Organogenesis and Somatic Embryogenesis Induced in Immature Tissues of Stylosanthes scabra. Annals of Botany, 1992, 70, 477-482.	1.4	27
45	Linkage and mapping of resistance genes to Xanthomonas axonopodis pv. passiflorae in yellow passion fruit. Genome, 2006, 49, 17-29.	0.9	26
46	ANATOMICAL STUDIES OF IN VITRO ORGANOGENESIS INDUCED IN LEAF-DERIVED EXPLANTS OF PASSIONFRUIT. Pesquisa Agropecuaria Brasileira, 1999, 34, 2007-2013.	0.9	25
47	Genetic Transformation of Passionflower and Evaluation of R₁ and R₂ Generations for Resistance to Cowpea aphid borne mosaic virus. Plant Disease, 2011, 95, 1021-1025.	0.7	25
48	Brazil nuts are subject to infection with B and G aflatoxin-producing fungus, Aspergillus pseudonomius. International Journal of Food Microbiology, 2014, 186, 14-21.	2.1	25
49	Sugarcane smut: shedding light on the development of the whip-shaped sorus. Annals of Botany, 2017, 119, mcw169.	1.4	25
50	Large vs small genomes in Passiflora: the influence of the mobilome and the satellitome. Planta, 2021, 253, 86.	1.6	25
51	Activity of Antarctic fungi extracts against phytopathogenic bacteria. Letters in Applied Microbiology, 2018, 66, 530-536.	1.0	22
52	Outcrossing rate in sweet passion fruit based on molecular markers. Plant Breeding, 2010, 129, 727-730.	1.0	21
53	Title is missing!. Euphytica, 1997, 98, 121-127.	0.6	20
54	Meiosis in Polyploids and Implications for Genetic Mapping: A Review. Genes, 2021, 12, 1517.	1.0	20

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55	Anatomical Study of Somatic Embryogenesis in Glycine max (L.) Merrill. Brazilian Archives of Biology and Technology, 2002, 45, 277-286.	0.5	18
56	Reciprocal recurrent selection effects on the genetic structure of tropical maize populations assessed at microsatellite loci. Genetics and Molecular Biology, 2003, 26, 355-364.	0.6	18
57	A gene-rich fraction analysis of the Passiflora edulis genome reveals highly conserved microsyntenic regions with two related Malpighiales species. Scientific Reports, 2018, 8, 13024.	1.6	18
58	Plant regeneration from proroplasts of alfalfa (Medicago sativa) via somatic embryogenesis. Scientia Agricola, 2003, 60, 683-689.	0.6	17
59	Host Transcriptional Profiling at Early and Later Stages of the Compatible Interaction Between Phaseolus vulgaris and Meloidogyne incognita. Phytopathology, 2016, 106, 282-294.	1.1	16
60	Improving yield and fruit quality traits in sweet passion fruit: Evidence for genotype by environment interaction and selection of promising genotypes. PLoS ONE, 2020, 15, e0232818.	1.1	16
61	Efficient Genetic Transformation System for the Ochratoxigenic Fungus Aspergillus carbonarius. Current Microbiology, 2006, 52, 469-472.	1.0	15
62	Genetic Diversity and a PCR-Based Method for Xanthomonas axonopodis Detection in Passion Fruit. Phytopathology, 2011, 101, 416-424.	1.1	15
63	Factors influencing electroporation-mediated gene transfer to Stylosanthes guianensis (Aubl.) Sw. protoplasts. Genetics and Molecular Biology, 2002, 25, 73-80.	0.6	14
64	Genetic relationships among Brazilian strains of Aspergillus ochraceus based on RAPD and ITS sequences. Canadian Journal of Microbiology, 2004, 50, 985-988.	0.8	14
65	Development of microsatellite markers in sweet passion fruit, and identification of length and conformation polymorphisms within repeat sequences. Plant Breeding, 2013, 132, 731-735.	1.0	14
66	Sweet orange genetic transformation with the attacin A gene under the control of phloem-specific promoters and inoculation with Candidatus Liberibacter asiaticus. Journal of Horticultural Science and Biotechnology, 2019, 94, 210-219.	0.9	14
67	TÃ©cnicas para a obtenÃ§Ã£o de preparaÃ§Ãµes citolÃ³gicas com alta freqÃ¼Ãªncia de metÃ¡fases mitÃ³ticas em plantas: Passiflora (Passifloraceae) e Crotalaria (Leguminosae). Acta Botanica Brasilica, 2003, 17, 363-370.	0.8	13
68	Identification of Stylosanthes guianensis varieties using molecular genetic analysis. AoB PLANTS, 2012, 2012, pls001.	1.2	13
69	Plant regeneration from protoplasts isolated from seedling cotyledons of Stylosanthes guianensis, S. macrocephala and S. scabra. Plant Cell Reports, 1990, 9, 289-92.	2.8	12
70	A Cytotaxonomic Study in Twelve Brazilian Taxa of Stylosanthes Sw., Leguminosae.. Cytologia, 1993, 58, 305-311.	0.2	12
71	Somatic hybridization between Citrus sinensis (L.) Osbeck and C. grandis (L.) Osbeck. Pesquisa Agropecuaria Brasileira, 2004, 39, 721-724.	0.9	12
72	Assessment of Genetic Stability Among In Vitro Plants of Arachis retusa Using RAPD and AFLP Markers for Germplasm Preservation. Journal of Integrative Plant Biology, 2007, 49, 307-312.	4.1	12

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73	Methylation patterns revealed by MSAP profiling in genetically stable somatic embryogenic cultures of Ocotea catharinensis (Lauraceae). In Vitro Cellular and Developmental Biology - Plant, 2010, 46, 368-377.	0.9	12
74	Identification of passion fruit (Passiflora edulis) chromosomes using BAC-FISH. Chromosome Research, 2019, 27, 299-311.	1.0	10
75	A Method for Analysis of Meiosis in Anthers of Arabidopsis thaliana. Annals of Botany, 1990, 66, 717-719.	1.4	9
76	Predicting performance of soybean populations using genetic distances estimated with RAPD markers. Genetics and Molecular Biology, 2003, 26, 343-348.	0.6	9
77	Cytological behaviour of the somatic hybridsPassiflora edulisf.flavicarpaâ€ƒ+P.Âcincinnata. Plant Breeding, 2007, 126, 323-328.	1.0	9
78	Report on the development of putative functional SSR and SNP markers in passion fruits. BMC Research Notes, 2017, 10, 445.	0.6	9
79	GENETIC TRANSFORMATION OF CITRUS SINENSIS 'HAMLIN' WITH ATTACIN A DRIVEN BY A PHLOEM TISSUE-SPECIFIC PROMOTER FOR RESISTANCE TO CANDIDATUS LIBERIBACTER SPP.. Acta Horticulturae, 2015, , 695-702.	0.1	8
80	Transposable element discovery and characterization of LTR-retrotransposon evolutionary lineages in the tropical fruit species Passiflora edulis. Molecular Biology Reports, 2019, 46, 6117-6133.	1.0	8
81	A genome sequence resource for the genus Passiflora, the genome of the wild diploid species Passiflora organensis. Plant Genome, 2021, 14, e20117.	1.6	8
82	Genetic Variability of Beauveria bassiana and a DNA Marker for Environmental Monitoring of a Highly Virulent Isolate Against Cosmopolites sordidus. Indian Journal of Microbiology, 2012, 52, 569-574.	1.5	7
83	The Sweet Passion Fruit (Passiflora alata) Crop: Genetic and Phenotypic Parameter Estimates and QTL Mapping for Fruit Traits. Tropical Plant Biology, 2017, 10, 18-29.	1.0	7
84	Comparative cytogenetic maps of Passiflora alata and P. watsoniana (Passifloraceae) using BAC-FISH. Plant Systematics and Evolution, 2020, 306, 1.	0.3	7
85	Molecular variability and genetic relationship among Brazilian strains of the sugarcane smut fungus. FEMS Microbiology Letters, 2016, 363, fnw277.	0.7	6
86	First report and differential colonization of Passiflora Species by the B biotype of Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) in Brazil. Neotropical Entomology, 2008, 37, 744-746.	0.5	5
87	Changes in N2 fixation in Stylosanthes scabra derived from tissue culture. Genetics and Molecular Biology, 1997, 20, 713-716.	1.0	5
88	Isoenzymatic variability in tropical maize populations under reciprocal recurrent selection. Scientia Agricola, 2003, 60, 291-297.	0.6	4
89	Microparticle bombardment of StylosanthesÂguianensis: transformation parameters and expression of a methionine-rich 2S albumin gene. Plant Cell, Tissue and Organ Culture, 2006, 87, 167-179.	1.2	4
90	Genetic mapping reveals complex architecture and candidate genes involved in common bean response to Meloidogyne incognita infection. Plant Genome, 2022, 15, e20161.	1.6	4

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91	Genome-wide association studies dissect the genetic architecture of seed shape and size in common bean. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	4
92	Progeny evaluation for resistance toPhaeosphaerialeaf spot in tropical maize. Canadian Journal of Plant Pathology, 2011, 33, 49-53.	0.8	3
93	Data on the presence or absence of genes encoding essential proteins for ochratoxin and fumonisin biosynthesis in Aspergillus niger and Aspergillus welwitschiae. Data in Brief, 2016, 7, 704-708.	0.5	3
94	Rescue of a non-viable accession and rapd analysis of recovered plants of Arachis retusa. Pesquisa Agropecuaria Brasileira, 2004, 39, 197-199.	0.9	3
95	Karyotype characterization of Malpighia emarginata (Malpighiaceae). Revista Brasileira De Fruticultura, 2010, 32, 369-374.	0.2	3
96	Transient gene expression in electroporated intact tissues of Stylosanthes guianensis (Aubl.) Sw.. Scientia Agricola, 2001, 58, 759-765.	0.6	2
97	Nucleotide diversity based on phaseolin and iron reductase genes in common bean accessions of different geographical origins. Genome, 2014, 57, 69-77.	0.9	2
98	Resposta in vitro e suscetibilidade ao Agrobacterium de duas cultivares de Stylosanthes guianensis. Pesquisa Agropecuaria Brasileira, 2000, 35, 733-742.	0.9	2
99	A reliable DNA extraction protocol for the medicinal plant Chrysobalanus icaco (Chrysobalanaceae), a recalcitrant species. Revista Brasileira De Botanica, 2022, 45, 619-624.	0.5	1
100	Identification of a splicing coactivator gene that affects the production of ochratoxin a in Aspergillus carbonarius. Brazilian Archives of Biology and Technology, 2009, 52, 131-141.	0.5	0
101	Title is missing!. , 2020, 15, e0232818.		0
102	Title is missing!. , 2020, 15, e0232818.		0
103	Title is missing!. , 2020, 15, e0232818.		0
104	Title is missing!. , 2020, 15, e0232818.		0
105	Title is missing!. , 2020, 15, e0232818.		0
106	Title is missing!. , 2020, 15, e0232818.		0