Diana Isolda Clotilde Fernandez

List of Publications by Year
in descending order

54 papers	1,851 citations	236925 25 h-index	265206 42 g-index
54 all docs	54 docs citations	54 times ranked	1794 citing authors

#	Article	IF	Citations
1	Coffee resistance to the main diseases: leaf rust and coffee berry disease. Brazilian Journal of Plant Physiology, 2006, 18, 119-147.	0.5	179
2	Differentiation ofFusarium oxysporumf. sp.vasinfectumRaces on Cotton by Random Amplified Polymorphic DNA (RAPD) Analysis. Phytopathology, 1994, 84, 622.	2.2	151
3	Plant-Parasitic Nematode Infections in Rice: Molecular and Cellular Insights. Annual Review of Phytopathology, 2014, 52, 135-153.	7.8	123
4	Trifling variation in truffles. Nature, 1998, 394, 734-734.	27.8	92
5	454â€pyrosequencing of Coffea arabica leaves infected by the rust fungus Hemileia vastatrix reveals in plantaâ€expressed pathogenâ€secreted proteins and plant functions in a late compatible plantâ€“rust interaction. Molecular Plant Pathology, 2012, 13, 17-37.	4.2	81
6	Systematic Numbering of Vegetative Compatibility Groups in the Plant Pathogenic Fungus Fusarium oxysporum. Phytopathology, 1998, 88, 30-32.	2.2	76
7	Coffee (Coffea arabica L.) genes early expressed during infection by the rust fungus (Hemileia) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.2	73
8	Population genetics and dynamics of the black truffle in a man-made truffle field. Heredity, 2001, 86, 451-458.	2.6	65
9	Characterization of a Single Clonal Lineage ofFusarium oxysporumf. sp.albedinisCausing Bayoud Disease of Date Palm in Morocco. Phytopathology, 1996, 86, 787.	2.2	65
10	Transcriptomic and histological responses of African rice (Oryza glaberrima) to Meloidogyne graminicola provide new insights into root-knot nematode resistance in monocots. Annals of Botany, 2017, 119, 885-899.	2.9	54
11	Review: Potential biotechnological assets related to plant immunity modulation applicable in engineering disease-resistant crops. Plant Science, 2018, 270, 72-84.	3.6	52
12	Dual RNAâ€seq reveals Meloidogyne graminicola transcriptome and candidate effectors during the interaction with rice plants. Molecular Plant Pathology, 2016, 17, 860-874.	4.2	48
13	Monitoring of the early molecular resistance responses of coffee (Coffea arabica L.) to the rust fungus (Hemileia vastatrix) using real-time quantitative RT-PCR. Plant Science, 2006, 170, 1045-1051.	3.6	47
14	Fot 1 Insertions in the Fusarium oxysporum f. sp. albedinis Genome Provide Diagnostic PCR Targets for Detection of the Date Palm Pathogen. Applied and Environmental Microbiology, 1998, 64, 633-636.	3.1	47
15	Meloidogyne incognita - rice (Oryza sativa) interaction: a new model system to study plant-root-knot nematode interactions in monocotyledons. Rice, 2014, 7, 23.	4.0	45
16	Angiosperm Gymnostoma trees produce root nodules colonized by arbuscular mycorrhizal fungi related to Glomus. New Phytologist, 2001, 149, 115-125.	7.3	40
17	Biotechnological applications for the improvement of coffee (Coffea arabica L.). In Vitro Cellular and Developmental Biology - Plant, 2002, 38, 129-138.	2.1	38
18	Resistance to Meloidogyne incognita expresses a hypersensitive-like response in Coffea arabica. European Journal of Plant Pathology, 2010, 127, 365-373.	1.7	36

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19	Validation of RT-qPCR reference genes for in planta expression studies in Hemileia vastatrix, the causal agent of coffee leaf rust. Fungal Biology, 2011, 115, 891-901.	2.5	36
20	Identification of coffee WRKY transcription factor genes and expression profiling in resistance responses to pathogens. Tree Genetics and Genomes, 2010, 6, 767-781.	1.6	34
21	Cellular and molecular analyses of coffee resistance to Hemileia vastatrix and nonhost resistance to Uromyces vignae in the resistance-donor genotype HDT832/2. European Journal of Plant Pathology, 2012, 133, 141-157.	1.7	32
22	Rapid Detection of the Fusarium oxysporum Lineage Containing the Canary Island Date Palm Wilt Pathogen. Phytopathology, 1999, 89, 407-413.	2.2	30
23	Biphasic haustorial differentiation of coffee rust (Hemileia vastatrix race II) associated with defence responses in resistant and susceptible coffee cultivars. Plant Pathology, 2009, 58, 944-955.	2.4	30
24	Variability of nuclear and mitochondrial ribosomal DNA of a truffle species (Tuber aestivum). Mycological Research, 1996, 100, 547-550.	2.5	27
25	Sub-genomic origin and regulation patterns of a duplicated WRKY gene in the allotetraploid species Coffea arabica. Tree Genetics and Genomes, 2008, 4, 379-390.	1.6	26
26	Heat shock-induced susceptibility of green coffee leaves and berries to Colletotrichum gloeosporioides and its association to PR and hsp70 gene expression. Physiological and Molecular Plant Pathology, 2003, 63, 181-190.	2.5	25
27	Overview of the functional virulent genome of the coffee leaf rust pathogen Hemileia vastatrix with an emphasis on early stages of infection. Frontiers in Plant Science, 2014, 5, 88.	3.6	25
28	Rice susceptibility to root-knot nematodes is enhanced by the Meloidogyne incognita MSP18 effector gene. Planta, 2019, 250, 1215-1227.	3.2	23
29	Non-host resistance responses of Arabidopsis thaliana to the coffee leaf rust fungus (Hemileia vastatrix). Botany, 2010, 88, 621-629.	1.0	22
30	Identification and characterization of the Non-race specific Disease Resistance 1 (NDR1) orthologous protein in coffee. BMC Plant Biology, 2011, 11, 144.	3.6	22
31	Transgenic coffee fruits from Coffea arabica genetically modified by bombardment. In Vitro Cellular and Developmental Biology - Plant, 2009, 45, 532-539.	2.1	21
32	Promoter analysis of the WRKY transcription factors CaWRKY1a and CaWRKY1b homoeologous genes in coffee (Coffea arabica). Plant Cell Reports, 2013, 32, 1263-1276.	5.6	19
33	Title is missing!. European Journal of Plant Pathology, 1997, 103, 485-490.	1.7	18
34	Genetic diversity among isolates of Fusariumoxysporum f.sp. canariensis. Plant Pathology, 2000, 49, 155-164.	2.4	16
35	Analyses of the Root-Knot Nematode (Meloidogyne graminicola) Transcriptome during Host Infection Highlight Specific Gene Expression Profiling in Resistant Rice Plants. Pathogens, 2020, 9, 644.	2.8	15
36	Expression profiling of genes involved in the biotrophic colonisation of Coffea arabica leaves by Hemileia vastatrix. European Journal of Plant Pathology, 2012, 133, 261-277.	1.7	14

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37	Biological control mechanisms of D-pinitol against powdery mildew in cucumber. Physiological and Molecular Plant Pathology, 2014, 88, 52-60.	2.5	14
38	Evolutionarily conserved plant genes responsive to root-knot nematodes identified by comparative genomics. Molecular Genetics and Genomics, 2020, 295, 1063-1078.	2.1	14
39	Development of Diagnostic SCAR Markers for Meloidogyne graminicola, M. oryzae, and M. salasi Associated with Irrigated Rice Fields in Americas. Plant Disease, 2019, 103, 83-88.	1.4	12
40	A Chemosensory GPCR as a Potential Target to Control the Root-Knot Nematode Meloidogyne incognita Parasitism in Plants. Molecules, 2019, 24, 3798.	3.8	11
41	Differentially expressed genes in cotton plant genotypes infected with Meloidogyne incognita. Plant Science, 2009, 177, 492-497.	3.6	9
42	Recent Advances in Understanding Plantâ€“Nematode Interactions in Monocots. Advances in Botanical Research, 2015, 73, 189-219.	1.1	8
43	The Mi-EFF1/Minc17998 effector interacts with the soybean GmHub6 protein to promote host plant parasitism by Meloidogyne incognita. Physiological and Molecular Plant Pathology, 2021, 114, 101630.	2.5	8
44	Early responses of coffee immunity-related genes to root-knot nematode infection. Physiological and Molecular Plant Pathology, 2017, 100, 142-150.	2.5	7
45	Minc00344 and Mj-NULG1a effectors interact with GmHub10 protein to promote the soybean parasitism by Meloidogyne incognita and M. javanica. Experimental Parasitology, 2021, 229, 108153.	1.2	7
46	Seed-Specific Stable Expression of the Î±-AI1 Inhibitor in Coffee Grains and the In Vivo Implications for the Development of the Coffee Berry Borer. Tropical Plant Biology, 2015, 8, 98-107.	1.9	5
47	Enzymology, Histological and Ultrastructural Effects of Ar-Turmerone on Culex pipiens pallens Larvae. Insects, 2020, 11, 336.	2.2	5
48	Assessing the transmission service risk. International Journal of Electrical Power and Energy Systems, 2006, 28, 119-126.	5.5	2
49	12 Rust Fungi: Achievements and Future Challenges on Genomics and Hostâ€“Parasite Interactions. , 2013, , 315-341.		1
50	Searching in Silico Novel Targets for Specific Coffee Rust Disease Control. Lecture Notes in Computer Science, 2020, , 109-115.	1.3	1
51	Special issue â€œDeepen knowledge in plant pathology for innovative agroecologyâ€• European Journal of Plant Pathology, 2018, 152, 853-854.	1.7	0
52	Transposable Elements in Fungal Pathogens: New Diagnostic Tools. , 2002, , 171-192.		0
53	Meloidogyne-SP4 effector gene silencing reduces reproduction of root-knot nematodes in rice (Oryza) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	0
54	Proteome dataset of Hemileia vastatrix by LCâ€“MS/MS label-free identification. Data in Brief, 2022, 43, 108433.	1.0	0