Fabienne Micheli

List of Publications by Year
in descending order

56 papers	2,816 citations	361413 20 h-index	182427 51 g-index
57 all docs	57 docs citations	57 times ranked	3687 citing authors

#	Article	IF	Citations
1	Pectin methylesterases: cell wall enzymes with important roles in plant physiology. Trends in Plant Science, 2001, 6, 414-419.	8.8	801
2	The pathogen Moniliophthora perniciosa promotes differential proteomic modulation of cacao genotypes with contrasting resistance to witchesÂ´ broom disease. BMC Plant Biology, 2020, 20, 1.	3.6	496
3	Exploring root symbiotic programs in the model legume Medicago truncatula using EST analysis. Nucleic Acids Research, 2002, 30, 5579-5592.	14.5	193
4	Pectin Methyl Esterase Inhibits Intrusive and Symplastic Cell Growth in Developing Wood Cells of <i>Populus</i> Â. Plant Physiology, 2008, 146, 323-324.	4.8	126
5	Involvement of calcium oxalate degradation during programmed cell death in Theobroma cacao tissues triggered by the hemibiotrophic fungus Moniliophthora perniciosa. Plant Science, 2007, 173, 106-117.	3.6	94
6	Protein extraction for proteome analysis from cacao leaves and meristems, organs infected by <i>Moniliophthora perniciosa</i>, the causal agent of the witches' broom disease. Electrophoresis, 2008, 29, 2391-2401.	2.4	89
7	Characterization of necrosis and ethylene-inducing proteins (NEP) in the basidiomycete Moniliophthora perniciosa, the causal agent of witches' broom in Theobroma cacao. Mycological Research, 2007, 111, 443-455.	2.5	86
8	Radial Distribution Pattern of Pectin Methylesterases across the Cambial Region of Hybrid Aspen at Activity and Dormancy. Plant Physiology, 2000, 124, 191-200.	4.8	75
9	Comparative Analysis of Expressed Genes from Cacao Meristems Infected by Moniliophthora perniciosa. Annals of Botany, 2007, 100, 129-140.	2.9	74
10	Recurrent water deficit causes epigenetic and hormonal changes in citrus plants. Scientific Reports, 2017, 7, 13684.	3.3	62
11	Use of response surface methodology to examine chitinase regulation in the basidiomycete Moniliophthora perniciosa. Mycological Research, 2008, 112, 399-406.	2.5	50
12	Hydrogen peroxide formation in cacao tissues infected by the hemibiotrophic fungus Moniliophthora perniciosa. Plant Physiology and Biochemistry, 2011, 49, 917-922.	5.8	48
13	Characterization of the pectin methylesterase-like gene AtPME3: a new member of a gene family comprising at least 12 genes in Arabidopsis thaliana. Gene, 1998, 220, 13-20.	2.2	47
14	The pathogenesis-related protein PR-4b from Theobroma cacao presents RNase activity, Ca2+ and Mg2+ dependent-DNase activity and antifungal action on Moniliophthora perniciosa. BMC Plant Biology, 2014, 14, 161.	3.6	36
15	Identification of New Potential Regulators of the Medicago truncatulaâ€”Sinorhizobium meliloti Symbiosis Using a Large-Scale Suppression Subtractive Hybridization Approach. Molecular Plant-Microbe Interactions, 2007, 20, 321-332.	2.6	35
16	High-Affinity Copper Transport and Snq2 Export Permease of <i>Saccharomyces cerevisiae</i> Modulate Cytotoxicity of PR-10 from <i>Theobroma cacao</i>. Molecular Plant-Microbe Interactions, 2009, 22, 39-51.	2.6	32
17	Unraveling new genes associated with seed development and metabolism in Bixa orellana L. by expressed sequence tag (EST) analysis. Molecular Biology Reports, 2011, 38, 1329-1340.	2.3	29
18	Isolation and purification of functional total RNA from different organs of cacao tree during its interaction with the pathogen Crinipellis perniciosa. BioTechniques, 2003, 35, 494-500.	1.8	28

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19	Different adaptation strategies of two citrus scion/rootstock combinations in response to drought stress. PLoS ONE, 2017, 12, e0177993.	2.5	28
20	Transcriptomics and systems biology analysis in identification of specific pathways involved in cacao resistance and susceptibility to witches' broom disease. Molecular BioSystems, 2012, 8, 1507.	2.9	23
21	Genome-wide identification and characterization of cacao WRKY transcription factors and analysis of their expression in response to witches' broom disease. PLoS ONE, 2017, 12, e0187346.	2.5	23
22	Theobroma cacao cystatins impair Moniliophthora perniciosa mycelial growth and are involved in postponing cell death symptoms. Planta, 2010, 232, 1485-1497.	3.2	21
23	Development, characterization, validation, and mapping of SSRs derived from Theobroma cacao L.â€“Moniliophthora perniciosa interaction ESTs. Tree Genetics and Genomes, 2010, 6, 663-676.	1.6	20
24	Genome sequence and effectorome of Moniliophthora perniciosa and Moniliophthora roreri subpopulations. BMC Genomics, 2018, 19, 509.	2.8	18
25	Functional Genomics of Cacao. Advances in Botanical Research, 2010, 55, 119-177.	1.1	17
26	Low coverage sequencing for repetitive DNA analysis in Passiflora edulis Sims: citogenomic characterization of transposable elements and satellite DNA. BMC Genomics, 2019, 20, 262.	2.8	17
27	HVA22 from citrus: A small gene family whose some members are involved in plant response to abiotic stress. Plant Physiology and Biochemistry, 2019, 142, 395-404.	5.8	16
28	RRGPredictor, a set-theory-based tool for predicting pathogen-associated molecular pattern receptors (PRRs) and resistance (R) proteins from plants. Genomics, 2020, 112, 2666-2676.	2.9	13
29	Kinetics and Histopathology of the Cacao-Ceratocystis cacaofunesta Interaction. Tropical Plant Biology, 2013, 6, 37-45.	1.9	12
30	Tc-cAPX, a cytosolic ascorbate peroxidase of Theobroma cacao L.Âengaged in the interaction with Moniliophthora perniciosa, theÂcausing agent of witches' broom disease. Plant Physiology and Biochemistry, 2013, 73, 254-265.	5.8	12
31	Genome size, cytogenetic data and transferability of EST-SSRs markers in wild and cultivated species of the genus Theobroma L. (Byttnerioideae, Malvaceae). PLoS ONE, 2017, 12, e0170799.	2.5	12
32	Comparative proteomics of two citrus varieties in response to infection by the fungus Alternaria alternata. International Journal of Biological Macromolecules, 2019, 136, 410-423.	7.5	12
33	The glutathione peroxidase family of Theobroma cacao: Involvement in the oxidative stress during witches' broom disease. International Journal of Biological Macromolecules, 2020, 164, 3698-3708.	7.5	12
34	Activity of polygalacturonases from Moniliophthora perniciosa depends on fungus culture conditions and is enhanced by Theobroma cacao extracts. Physiological and Molecular Plant Pathology, 2013, 83, 40-50.	2.5	11
35	Mycelial development preceding basidioma formation in Moniliophthora perniciosa is associated to chitin, sugar and nutrient metabolism alterations involving autophagy. Fungal Genetics and Biology, 2016, 86, 33-46.	2.1	11
36	Alternative oxidase (AOX) constitutes a small family of proteins in Citrus clementina and Citrus sinensis L. Osb. PLoS ONE, 2017, 12, e0176878.	2.5	11

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37	Recombinant Î²-1,3-1,4-glucanase from Theobroma cacao impairs Moniliophthora perniciosa mycelial growth. Molecular Biology Reports, 2013, 40, 5417-5427.	2.3	10
38	Selection of Reference Genes for Expression Study in Pulp and Seeds of Theobroma grandiflorum (Willd. ex Spreng.) Schum. PLoS ONE, 2016, 11, e0160646.	2.5	10
39	Effect of Environmental Conditions on the Yield of Peel and Composition of Essential Oils from Citrus Cultivated in Bahia (Brazil) and Corsica (France). Agronomy, 2020, 10, 1256.	3.0	10
40	Involvement of structurally distinct cupuassu chitinases and osmotin in plant resistance to the fungus Moniliophthora perniciosa. Plant Physiology and Biochemistry, 2020, 148, 142-151.	5.8	10
41	First Microsatellite Markers Developed from Cupuassu ESTs: Application in Diversity Analysis and Cross-Species Transferability to Cacao. PLoS ONE, 2016, 11, e0151074.	2.5	10
42	Identification of quantitative trait loci linked to Ceratocystis wilt resistance in cacao. Molecular Breeding, 2012, 30, 1563-1571.	2.1	9
43	Evaluation of the Allergenicity Potential of TcPR-10 Protein from Theobroma cacao. PLoS ONE, 2012, 7, e37969.	2.5	9
44	Identification, characterization and mapping of EST-derived SSRs from the cacaoâ€"Ceratocystis cacaofunesta interaction. Tree Genetics and Genomes, 2013, 9, 117-127.	1.6	8
45	Recurrent water deficit causes alterations in the profile of redox proteins in citrus plants. Plant Physiology and Biochemistry, 2018, 132, 497-507.	5.8	8
46	Characterization of tropical mandarin collection: Implications for breeding related to fruit quality. Scientia Horticulturae, 2018, 239, 289-299.	3.6	8
47	Moniliophthora perniciosa development: key genes involved in stress-mediated cell wall organization and autophagy. International Journal of Biological Macromolecules, 2020, 154, 1022-1035.	7.5	8
48	Polygalacturonases from Moniliophthora perniciosa are regulated by fermentable carbon sources and possible post-translational modifications. Fungal Genetics and Biology, 2013, 60, 110-121.	2.1	7
49	TcCYPR04, a Cacao Papain-Like Cysteine-Protease Detected in Senescent and Necrotic Tissues Interacts with a Cystatin TcCYS4. PLoS ONE, 2015, 10, e0144440.	2.5	7
50	The selenium-binding protein of Theobroma cacao: A thermostable protein involved in the witchesâ€™ broom disease resistance. Plant Physiology and Biochemistry, 2019, 142, 472-481.	5.8	3
51	Identification of a key protein set involved in Moniliophthora perniciosa necrotrophic mycelium and basidiocarp development. Fungal Genetics and Biology, 2021, 157, 103635.	2.1	3
52	Phylogenetic Origin of Primary and Secondary Metabolic Pathway Genes Revealed by C. maxima and C. reticulata Diagnostic SNPs. Frontiers in Plant Science, 2019, 10, 1128.	3.6	1
53	Transcriptomic analysis related to the flowering of the citrus hybrid Microcitrangemonia. Current Plant Biology, 2019, 18, 100097.	4.7	1
54	Cupuassu (Theobroma grandiflorum [Willd. ex Sprengel] Schumann) Fruit Development: Key Genes Involved in Primary Metabolism and Stress Response. Agronomy, 2022, 12, 763.	3.0	1

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55	DATA MINING AND SYSTEMS BIOLOGY FOR IDENTIFYING KEY GENES INVOLVED IN CITRUS QUALITY. Acta Horticulturae, 2015, , 591-598.	0.2	0
56	Transgenic tomato expressing an oxalate decarboxylase gene from Flammulina sp. shows increased survival to Moniliophthora perniciosa. Scientia Horticulturae, 2022, 299, 111004.	3.6	0