Maeli Melotto

List of Publications by Year
in descending order

67 papers	7,525 citations	159585 30 h-index	138484 58 g-index
68 all docs	68 docs citations	68 times ranked	7327 citing authors

#	Article	IF	Citations
1	JAZ repressor proteins are targets of the SCFCOI1 complex during jasmonate signalling. Nature, 2007, 448, 661-665.	27.8	2,055
2	Plant Stomata Function in Innate Immunity against Bacterial Invasion. Cell, 2006, 126, 969-980.	28.9	1,653
3	Role of Stomata in Plant Innate Immunity and Foliar Bacterial Diseases. Annual Review of Phytopathology, 2008, 46, 101-122.	7.8	582
4	A critical role of two positively charged amino acids in the Jas motif of Arabidopsis JAZ proteins in mediating coronatineâ€•and jasmonoyl isoleucineâ€dependent interactions with the COI1 Fâ€box protein. Plant Journal, 2008, 55, 979-988.	5.7	334
5	Suppression of host defense in compatible plantâ€"Pseudomonas syringae interactions. Current Opinion in Plant Biology, 2005, 8, 361-368.	7.1	259
6	Stomatal Defense a Decade Later. Plant Physiology, 2017, 174, 561-571.	4.8	249
7	Jasmonate signaling and manipulation by pathogens and insects. Journal of Experimental Botany, 2017, 68, erw478.	4.8	214
8	Plant stomata: a checkpoint of host immunity and pathogen virulence. Current Opinion in Biotechnology, 2010, 21, 599-603.	6.6	202
9	Marker-assisted dissection of the oligogenic anthracnose resistance in the common bean cultivar, â€˜G2333â€™. Theoretical and Applied Genetics, 1998, 96, 87-94.	3.6	147
10	Role of plant stomata in bacterial invasion. Cellular Microbiology, 2007, 9, 1621-1629.	2.1	142
11	Development of a SCAR marker linked to the <i>I</i> gene in common bean. Genome, 1996, 39, 1216-1219.	2.0	139
12	Regulation of Plant Arginase by Wounding, Jasmonate, and the Phytotoxin Coronatine. Journal of Biological Chemistry, 2004, 279, 45998-46007.	3.4	136
13	Genomics of Phaseolus Beans, a Major Source of Dietary Protein and Micronutrients in the Tropics. , 2008, , 113-143.		114
14	Transcription factor-dependent nuclear localization of a transcriptional repressor in jasmonate hormone signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20148-20153.	7.1	98
15	Development, characterization, and comparative analysis of polymorphism at common bean SSR loci isolated from genic and genomic sources. Genome, 2007, 50, 266-277.	2.0	85
16	<i>Escherichia coli</i> O157:H7 Induces Stronger Plant Immunity than <i>Salmonella enterica</i> Typhimurium SL1344. Phytopathology, 2013, 103, 326-332.	2.2	75
17	Title is missing!. Euphytica, 2000, 116, 143-149.	1.2	74
18	Coronatine Facilitates Pseudomonas syringae Infection of Arabidopsis Leaves at Night. Frontiers in Plant Science, 2016, 7, 880.	3.6	63

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19	Fine mapping of the Co-4 locus of common bean reveals a resistance gene candidate, COK-4, that encodes for a protein kinase. Theoretical and Applied Genetics, 2001, 103, 508-517.	3.6	57
20	Plant innate immunity against human bacterial pathogens. Frontiers in Microbiology, 2014, 5, 411.	3.5	52
21	The anthracnose resistance locus Co-4 of common bean is located on chromosome 3 and contains putative disease resistance-related genes. Theoretical and Applied Genetics, 2004, 109, 690-699.	3.6	50
22	Comparative bioinformatic analysis of genes expressed in common bean (Phaseolus vulgaris L.) seedlings. Genome, 2005, 48, 562-570.	2.0	50
23	JAZ4 is involved in plant defense, growth, and development in Arabidopsis. Plant Journal, 2020, 101, 371-383.	5.7	42
24	Regulation of Stomatal Defense by Air Relative Humidity. Plant Physiology, 2016, 172, 2021-2032.	4.8	41
25	Guard Cell Purification and RNA Isolation Suitable for High-Throughput Transcriptional Analysis of Cell-Type Responses to Biotic Stresses. Molecular Plant-Microbe Interactions, 2013, 26, 844-849.	2.6	40
26	The Co-4 locus on chromosome Pv08 contains a unique cluster of 18 COK-4 genes and is regulated by immune response in common bean. Theoretical and Applied Genetics, 2015, 128, 1193-1208.	3.6	40
27	Dissecting Phaseolus vulgaris Innate Immune System against Colletotrichum lindemuthianum Infection. PLoS ONE, 2012, 7, e43161.	2.5	36
28	Human Pathogen Colonization of Lettuce Dependent Upon Plant Genotype and Defense Response Activation. Frontiers in Plant Science, 2019, 10, 1769.	3.6	36
29	Assessing Stomatal Response to Live Bacterial Cells using Whole Leaf Imaging. Journal of Visualized Experiments, 2010, , .	0.3	35
30	New Andean source of resistance to anthracnose and angular leaf spot: Fine-mapping of disease-resistance genes in California Dark Red Kidney common bean cultivar. PLoS ONE, 2020, 15, e0235215.	2.5	35
31	Molecular battles between plant and pathogenic bacteria in the phyllosphere. Brazilian Journal of Medical and Biological Research, 2010, 43, 698-704.	1.5	34
32	Functional Analysis of the N Terminus of the Erwinia amylovora Secreted Effector DspA/E Reveals Features Required for Secretion, Translocation, and Binding to the Chaperone DspB/F. Molecular Plant-Microbe Interactions, 2009, 22, 1282-1292.	2.6	31
33	Stomate-based defense and environmental cues. Plant Signaling and Behavior, 2017, 12, e1362517.	2.4	30
34	Changes in spatial and temporal gene expression during incompatible interaction between common bean and anthracnose pathogen. Journal of Plant Physiology, 2012, 169, 1216-1220.	3.5	26
35	Breeding Crops for Enhanced Food Safety. Frontiers in Plant Science, 2020, 11, 428.	3.6	26
36	Novel Insights Into the Early Stages of Ratoon Stunting Disease of Sugarcane Inferred from Transcript and Protein Analysis. Phytopathology, 2018, 108, 1455-1466.	2.2	25

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37	Surface Inoculation and Quantification of Pseudomonas syringae Population in the Arabidopsis Leaf Apoplast. Bio-protocol, 2017, 7, .	0.4	24
38	Development of a qPCR for Leifsonia xyli subsp. xyli and quantification of the effects of heat treatment of sugarcane cuttings on Lxx. Crop Protection, 2016, 80, 51-55.	2.1	22
39	Stomatal response and human pathogen persistence in leafy greens under preharvest and postharvest environmental conditions. Postharvest Biology and Technology, 2019, 148, 76-82.	6.0	22
40	Common bean reaction to angular leaf spot comprises transcriptional modulation of genes in the ALS10.1 QTL. Frontiers in Plant Science, 2015, 6, 152.	3.6	20
41	Virulence Strategies of Plant Pathogenic Bacteria. , 2013, , 61-82.		15
42	Novel molecular components involved in callose-mediated Arabidopsis defense against Salmonella enterica and Escherichia coli O157:H7. BMC Plant Biology, 2020, 20, 16.	3.6	14
43	Genomeâ€wide association study of resistance to anthracnose and angular leaf spot in Brazilian Mesoamerican and Andean common bean cultivars. Crop Science, 2020, 60, 2931-2950.	1.8	14
44	Xylella fastidiosa subsp. pauca and fastidiosa Colonize Arabidopsis Systemically and Induce Anthocyanin Accumulation in Infected Leaves. Phytopathology, 2019, 109, 225-232.	2.2	12
45	Common and unique Arabidopsis proteins involved in stomatal susceptibility to <i>Salmonella enterica</i> and <i>Pseudomonas syringae</i>. FEMS Microbiology Letters, 2019, 366, .	1.8	11
46	Salmonella enterica Serovar Typhimurium 14028s Genomic Regions Required for Colonization of Lettuce Leaves. Frontiers in Microbiology, 2020, 11, 6.	3.5	9
47	The common bean COKâ€4 and the Arabidopsis FER kinase domain share similar functions in plant growth and defence. Molecular Plant Pathology, 2018, 19, 1765-1778.	4.2	7
48	A Comprehensive <i>Arabidopsis</i> Yeast Two-Hybrid Library for Protein-Protein Interaction Studies: A Resource to the Plant Research Community. Molecular Plant-Microbe Interactions, 2018, 31, 899-902.	2.6	7
49	Crosstalk in Pathogen and Hormonal Regulation of Guard Cell Signaling. , 0, , 96-112.		6
50	EficiÃªncia simbiÃ³tica de estirpes Hup+, Hup hr e Hup- de Bradyrhizobium japonicum e Bradyrhizobium elkanii em cultivares de caupi. Pesquisa Agropecuaria Brasileira, 1999, 34, 1925-1931.	0.9	5
51	Stomatal Bioassay to Characterize Bacterial-Stimulated PTI at the Pre-Invasion Phase of Infection. Methods in Molecular Biology, 2017, 1578, 233-241.	0.9	5
52	Dual transcriptomic analysis reveals metabolic changes associated with differential persistence of human pathogenic bacteria in leaves of Arabidopsis and lettuce. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	5
53	Spatiotemporal regulation of <i>JAZ4</i> expression and splicing contribute to ethyleneâ€and auxinâ€mediated responses in Arabidopsis roots. Plant Journal, 2021, 108, 1266-1282.	5.7	4
54	Determination of Salmonella enterica Leaf Internalization Varies Substantially According to the Method and Conditions Used to Assess Bacterial Localization. Frontiers in Microbiology, 2021, 12, 622068.	3.5	4

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55	A homolog of the RPS2 disease resistance gene is constitutively expressed in Brassica oleracea. Genetics and Molecular Biology, 2003, 26, 511-516.	1.3	3
56	A Simple Assay to Assess Salmonella enterica Persistence in Lettuce Leaves After Low Inoculation Dose. Frontiers in Microbiology, 2020, 11, 1516.	3.5	2
57	<i>Citrus reticulata</i> CrRAP2.2 Transcriptional Factor Shares Similar Functions to the <i>Arabidopsis</i> Homolog and Increases Resistance to <i>Xylella fastidiosa</i>. Molecular Plant-Microbe Interactions, 2020, 33, 519-527.	2.6	2
58	TRANSLOCATION AND CHAPERONE INTERACTION OF THE ERWINIA AMYLOVORA SECRETED EFFECTOR DspE. Acta Horticulturae, 2008, , 231-236.	0.2	2
59	Power Scavenging and Optical Absorbance Analysis of Photosynthetically Active Protoplasts. Journal of Energy Resources Technology, Transactions of the ASME, 2013, 135, .	2.3	1
60	An HPLC-based Method to Quantify Coronatine Production by Bacteria. Bio-protocol, 2017, 7, .	0.4	1
61	Pseudomonas phaseolicola preferentially modulates genes encoding leucine-rich repeat and malectin domains in the bean landrace G2333. Planta, 2022, 256, .	3.2	1
62	The Farm-to-Fork Journey: Keeping Produce Fresh and Safe to Eat. Frontiers for Young Minds, 0, 10, .	0.8	0
63	Editorial: Breeding Crops for Enhanced Food Safety. Frontiers in Microbiology, 2022, 13, 871247.	3.5	0
64	Title is missing!. , 2020, 15, e0235215.		0
65	Title is missing!. , 2020, 15, e0235215.		0
66	Title is missing!. , 2020, 15, e0235215.		0
67	Title is missing!. , 2020, 15, e0235215.		0