Victor Flors

List of Publications by Year
in descending order

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106	11,767	43973 48	28224 105
papers	citations	h-index	g-index

112	112	112	10833
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Priming: Getting Ready for Battle. Molecular Plant-Microbe Interactions, 2006, 19, 1062-1071.	1.4	1,241
2	The multifaceted role of ABA in disease resistance. Trends in Plant Science, 2009, 14, 310-317.	4.3	782
3	Defense Priming: An Adaptive Part of Induced Resistance. Annual Review of Plant Biology, 2017, 68, 485-512.	8.6	692
4	Callose Deposition: A Multifaceted Plant Defense Response. Molecular Plant-Microbe Interactions, 2011, 24, 183-193.	1.4	613
5	Next-Generation Systemic Acquired Resistance Â Â. Plant Physiology, 2012, 158, 844-853.	2.3	577
6	Recognizing Plant Defense Priming. Trends in Plant Science, 2016, 21, 818-822.	4.3	549
7	Descendants of Primed Arabidopsis Plants Exhibit Resistance to Biotic Stress Â Â. Plant Physiology, 2012, 158, 835-843.	2.3	442
8	Enhancing Arabidopsis Salt and Drought Stress Tolerance by Chemical Priming for Its Abscisic Acid Responses. Plant Physiology, 2005, 139, 267-274.	2.3	387
9	Dissecting the Î²-Aminobutyric Acidâ€"Induced Priming Phenomenon in Arabidopsis. Plant Cell, 2005, 17, 987-999.	3.1	356
10	Primed plants do not forget. Environmental and Experimental Botany, 2013, 94, 46-56.	2.0	301
11	Benzoxazinoid Metabolites Regulate Innate Immunity against Aphids and Fungi in Maize Â Â. Plant Physiology, 2011, 157, 317-327.	2.3	295
12	The â€˜prime-omeâ€™: towards a holistic approach to priming. Trends in Plant Science, 2015, 20, 443-452.	4.3	287
13	Jasmonate signaling in plant development and defense response to multiple (a)biotic stresses. Plant Cell Reports, 2013, 32, 1085-1098.	2.8	263
14	Interplay between JA, SA and ABA signalling during basal and induced resistance against <i>Pseudomonas syringae</i> and <i>Alternaria brassicicola</i>. Plant Journal, 2008, 54, 81-92.	2.8	262
15	Signal signature of abovegroundâ€induced resistance upon belowground herbivory in maize. Plant Journal, 2009, 59, 292-302.	2.8	244
16	Hormonal and transcriptional profiles highlight common and differential host responses to arbuscular mycorrhizal fungi and the regulation of the oxylipin pathway. Journal of Experimental Botany, 2010, 61, 2589-2601.	2.4	238
17	The RNA Silencing Enzyme RNA Polymerase V Is Required for Plant Immunity. PLoS Genetics, 2011, 7, e1002434.	1.5	184
18	Enzymatic and Non-enzymatic Antioxidant Responses of Carrizo citrange, a Salt-Sensitive Citrus Rootstock, to Different Levels of Salinity. Plant and Cell Physiology, 2003, 44, 388-394.	1.5	148

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19	Plant perception of Î²-aminobutyric acid is mediated by an aspartyl-tRNA synthetase. Nature Chemical Biology, 2014, 10, 450-456.	3.9	128
20	Metabolomics of cereals under biotic stress: current knowledge and techniques. Frontiers in Plant Science, 2013, 4, 82.	1.7	126
21	Abscisic Acid and Callose: Team Players in Defence Against Pathogens?. Journal of Phytopathology, 2005, 153, 377-383.	0.5	117
22	Hexanoic Acid-Induced Resistance Against <i>Botrytis cinerea</i> in Tomato Plants. Molecular Plant-Microbe Interactions, 2009, 22, 1455-1465.	1.4	117
23	Arabidopsis <i>ocp3</i> mutant reveals a mechanism linking ABA and JA to pathogenâ€induced callose deposition. Plant Journal, 2011, 67, 783-794.	2.8	116
24	Metabolic transition in mycorrhizal tomato roots. Frontiers in Microbiology, 2015, 6, 598.	1.5	111
25	An Arabidopsis Homeodomain Transcription Factor, OVEREXPRESSOR OF CATIONIC PEROXIDASE 3, Mediates Resistance to Infection by Necrotrophic Pathogens. Plant Cell, 2005, 17, 2123-2137.	3.1	108
26	Root metabolic plasticity underlies functional diversity in mycorrhizaâ€enhanced stress tolerance in tomato. New Phytologist, 2018, 220, 1322-1336.	3.5	107
27	The Sulfated Laminarin Triggers a Stress Transcriptome before Priming the SA- and ROS-Dependent Defenses during Grapevine's Induced Resistance against Plasmopara viticola. PLoS ONE, 2014, 9, e88145.	1.1	106
28	Preparing to fight back: generation and storage of priming compounds. Frontiers in Plant Science, 2014, 5, 295.	1.7	104
29	Absence of the endoâ€Î²â€1,4â€glucanases Cel1 and Cel2 reduces susceptibility to <i>Botrytis cinerea</i> in tomato. Plant Journal, 2007, 52, 1027-1040.	2.8	99
30	Fine Tuning of Reactive Oxygen Species Homeostasis Regulates Primed Immune Responses in <i>Arabidopsis</i>. Molecular Plant-Microbe Interactions, 2013, 26, 1334-1344.	1.4	93
31	Defensive plant responses induced by Nesidiocoris tenuis (Hemiptera: Miridae) on tomato plants. Journal of Pest Science, 2015, 88, 543-554.	1.9	92
32	The Induced Resistance Lexicon: Doâ€™s and Donâ€™ts. Trends in Plant Science, 2021, 26, 685-691.	4.3	84
33	Identification of indole-3-carboxylic acid as mediator of priming against Plectosphaerella cucumerina. Plant Physiology and Biochemistry, 2012, 61, 169-179.	2.8	80
34	A Deletion in <i>NRT2.1</i> Attenuates <i>Pseudomonas syringae</i>-Induced Hormonal Perturbation, Resulting in Primed Plant Defenses Â Â. Plant Physiology, 2012, 158, 1054-1066.	2.3	79
35	Drought tolerance in Arabidopsis is controlled by the <i>OCP3</i> disease resistance regulator. Plant Journal, 2009, 58, 578-591.	2.8	78
36	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. Journal of Chemical Ecology, 2014, 40, 791-803.	0.9	78

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37	Tomato plant responses to feeding behavior of three zoophytophagous predators (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.4	75
38	Analysis of the Molecular Dialogue Between Gray Mold (<i>Botrytis cinerea</i>) and Grapevine (<i>Vitis vinifera</i>) Reveals a Clear Shift in Defense Mechanisms During Berry Ripening. Molecular Plant-Microbe Interactions, 2015, 28, 1167-1180.	1.4	73
39	Priming for JA-dependent defenses using hexanoic acid is an effective mechanism to protect Arabidopsis against B. cinerea. Journal of Plant Physiology, 2011, 168, 359-366.	1.6	67
40	Chemical priming of immunity without costs to plant growth. New Phytologist, 2018, 218, 1205-1216.	3.5	67
41	Mycorrhizal tomato plants fine tunes the growthâ€defence balance upon N depleted root environments. Plant, Cell and Environment, 2018, 41, 406-420.	2.8	66
42	Can Plant Defence Mechanisms Provide New Approaches for the Sustainable Control of the Two-Spotted Spider Mite Tetranychus urticae?. International Journal of Molecular Sciences, 2018, 19, 614.	1.8	63
43	Transcriptomic analysis of oxylipin biosynthesis genes and chemical profiling reveal an early induction of jasmonates in chickpea roots under drought stress. Plant Physiology and Biochemistry, 2012, 61, 115-122.	2.8	62
44	Molecular and physiological stages of priming: how plants prepare for environmental challenges. Plant Cell Reports, 2014, 33, 1935-1949.	2.8	61
45	Different metabolic and genetic responses in citrus may explain relative susceptibility to<i>Tetranychus urticae</i>. Pest Management Science, 2014, 70, 1728-1741.	1.7	57
46	Targeting novel chemical and constitutive primed metabolites against <i><scp>P</scp>lectosphaerella cucumerina</i>. Plant Journal, 2014, 78, 227-240.	2.8	56
47	Role and mechanisms of callose priming in mycorrhiza-induced resistance. Journal of Experimental Botany, 2020, 71, 2769-2781.	2.4	56
48	<i><scp>T</scp>etranychus urticae</i>â€triggered responses promote genotypeâ€dependent conspecific repellence or attractiveness in citrus. New Phytologist, 2015, 207, 790-804.	3.5	52
49	Stage-Related Defense Response Induction in Tomato Plants by Nesidiocoris tenuis. International Journal of Molecular Sciences, 2016, 17, 1210.	1.8	51
50	Preventive and postâ€infection control of <i>Botrytis cinerea</i> in tomato plants by hexanoic acid. Plant Pathology, 2008, 57, 1038-1046.	1.2	50
51	The ATAF1 transcription factor: At the convergence point of ABA-dependent plant defense against biotic and abiotic stresses. Cell Research, 2009, 19, 1322-1323.	5.7	50
52	The Nitrogen Availability Interferes with Mycorrhiza-Induced Resistance against Botrytis cinerea in Tomato. Frontiers in Microbiology, 2016, 7, 1598.	1.5	49
53	Zoophytophagous mirids provide pest control by inducing direct defences, antixenosis and attraction to parasitoids in sweet pepper plants. Pest Management Science, 2018, 74, 1286-1296.	1.7	48
54	Influence of wastewater vs groundwater on youngCitrus trees. Journal of the Science of Food and Agriculture, 2000, 80, 1441-1446.	1.7	44

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55	AM symbiosis alters phenolic acid content in tomato roots. Plant Signaling and Behavior, 2010, 5, 1138-1140.	1.2	44
56	Systemic resistance in citrus to<i>Tetranychus urticae</i>induced by conspecifics is transmitted by grafting and mediated by mobile amino acids. Journal of Experimental Botany, 2016, 67, 5711-5723.	2.4	43
57	Disruption of the ammonium transporter AMT1.1 alters basal defenses generating resistance against Pseudomonas syringae and Plectosphaerella cucumerina. Frontiers in Plant Science, 2014, 5, 231.	1.7	42
58	Mycorrhizal symbiosis primes the accumulation of antiherbivore compounds and enhances herbivore mortality in tomato. Journal of Experimental Botany, 2021, 72, 5038-5050.	2.4	40
59	Folivory elicits a strong defense reaction in Catharanthus roseus: metabolomic and transcriptomic analyses reveal distinct local and systemic responses. Scientific Reports, 2017, 7, 40453.	1.6	39
60	Belowground ABA boosts aboveground production of DIMBOA and primes induction of chlorogenic acid in maize. Plant Signaling and Behavior, 2009, 4, 639-641.	1.2	37
61	Exogenous strigolactones impact metabolic profiles and phosphate starvation signalling in roots. Plant, Cell and Environment, 2020, 43, 1655-1668.	2.8	35
62	Starch degradation, abscisic acid and vesicular trafficking are important elements in callose priming by indoleâ€•3â€•carboxylic acid in response to <i>Plectosphaerella cucumerina</i> infection. Plant Journal, 2018, 96, 518-531.	2.8	34
63	Underivatized polyamine analysis in plant samples by ion pair LC coupled with electrospray tandem mass spectrometry. Plant Physiology and Biochemistry, 2009, 47, 592-598.	2.8	33
64	Role of two UDP-Glycosyltransferases from the L group of arabidopsis in resistance against pseudomonas syringae. European Journal of Plant Pathology, 2014, 139, 707-720.	0.8	32
65	T3SS-dependent differential modulations of the jasmonic acid pathway in susceptible and resistant genotypes of Malus spp. challenged with Erwinia amylovora. Plant Science, 2012, 188-189, 1-9.	1.7	31
66	MÃ©nage Ã Trois: Unraveling the Mechanisms Regulating Plantâ€“Microbeâ€“Arthropod Interactions. Trends in Plant Science, 2020, 25, 1215-1226.	4.3	31
67	Oxylipin dynamics in <i>Medicago truncatula</i> in response to salt and wounding stresses. Physiologia Plantarum, 2019, 165, 198-208.	2.6	29
68	Characterization of the low affinity transport system for NO3âˆ’ uptake by Citrus roots. Plant Science, 2000, 160, 95-104.	1.7	27
69	Root-to-shoot signalling in mycorrhizal tomato plants upon Botrytis cinerea infection. Plant Science, 2020, 298, 110595.	1.7	27
70	Insect-induced gene expression at the core of volatile terpene release in<i>Medicago truncatula</i>. Plant Signaling and Behavior, 2009, 4, 636-638.	1.2	26
71	Modes of action of the protective strain Fo47 in controlling verticillium wilt of pepper. Plant Pathology, 2016, 65, 997-1007.	1.2	26
72	Accurate and easy method for systemin quantification and examining metabolic changes under different endogenous levels. Plant Methods, 2018, 14, 33.	1.9	25

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73	Control of the phytopathogen Botrytis cinerea using adipic acid monoethyl ester. Archives of Microbiology, 2006, 184, 316-326.	1.0	24
74	A Tolerant Behavior in Salt-Sensitive Tomato Plants can be Mimicked by Chemical Stimuli. Plant Signaling and Behavior, 2007, 2, 50-57.	1.2	24
75	Temporal and Spatial Resolution of Activated Plant Defense Responses in Leaves of Nicotiana benthamiana Infected with Dickeya dadantii. Frontiers in Plant Science, 2016, 6, 1209.	1.7	24
76	Hormone and secondary metabolite profiling in chestnut during susceptible and resistant interactions with Phytophthora cinnamomi. Journal of Plant Physiology, 2019, 241, 153030.	1.6	24
77	Zoophytophagous mites can trigger plantâ€genotype specific defensive responses affecting potential prey beyond predation: the case of <i>Euseius stipulatus</i> and <i>Tetranychus urticae</i> in citrus. Pest Management Science, 2019, 75, 1962-1970.	1.7	21
78	Induction of protection against the necrotrophic pathogens Phytophthora citrophthora and Alternaria solani in Lycopersicon esculentum Mill. by a novel synthetic glycoside combined with amines. Planta, 2003, 216, 929-938.	1.6	19
79	Customâ€made design of metabolite composition in <i>N. benthamiana</i> leaves using CRISPR activators. Plant Biotechnology Journal, 2022, 20, 1578-1590.	4.1	18
80	Regulation of Nitrate Transport in Citrus Rootstocks Depending of Nitrogen Availability. Plant Signaling and Behavior, 2007, 2, 337-342.	1.2	17
81	Inactivation of UDP-Glucose Sterol Glucosyltransferases Enhances Arabidopsis Resistance to Botrytis cinerea. Frontiers in Plant Science, 2019, 10, 1162.	1.7	17
82	Induction of plant defenses: the added value of zoophytophagous predators. Journal of Pest Science, 2022, 95, 1501-1517.	1.9	17
83	Three novel synthetic amides of adipic acid protect Capsicum anuum plants against the necrotrophic pathogen Alternaria solani. Physiological and Molecular Plant Pathology, 2003, 63, 151-158.	1.3	16
84	Accumulating evidences of callose priming by indole- 3- carboxylic acid in response to <i>Plectospharella cucumerina</i>. Plant Signaling and Behavior, 2019, 14, 1608107.	1.2	16
85	Arabidopsis Plants Sense Non-self Peptides to Promote Resistance Against Plectosphaerella cucumerina. Frontiers in Plant Science, 2020, 11, 529.	1.7	15
86	Extracellular DNA as an elicitor of broad-spectrum resistance in Arabidopsis thaliana. Plant Science, 2021, 312, 111036.	1.7	15
87	Detection, characterization and quantification of salicylic acid conjugates in plant extracts by ESI tandem mass spectrometric techniques. Plant Physiology and Biochemistry, 2012, 53, 19-26.	2.8	14
88	The olfactive responses of Tetranychus urticae natural enemies in citrus depend on plant genotype, prey presence, and their diet specialization. Journal of Pest Science, 2019, 92, 1165-1177.	1.9	14
89	Phosphateâ€induced resistance to pathogen infection in Arabidopsis. Plant Journal, 2022, 110, 452-469.	2.8	14
90	Effect of a Novel Chemical Mixture on Senescence Processes and Plantâˆ’Fungus Interaction in Solanaceae Plants. Journal of Agricultural and Food Chemistry, 2001, 49, 2569-2575.	2.4	13

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91	Exploring the use of scions and rootstocks from xeric areas to improve drought tolerance in Castanea sativa Miller. Environmental and Experimental Botany, 2021, 187, 104467.	2.0	12
92	Effect of analogues of plant growth regulators on in vitro growth of eukaryotic plant pathogens. Plant Pathology, 2004, 53, 58-64.	1.2	11
93	A deletion in the nitrate high affinity transporter NRT2.1 alters metabolomic and transcriptomic responses to Pseudomonas syringae. Plant Signaling and Behavior, 2012, 7, 619-622.	1.2	11
94	Disclosure of salicylic acid and jasmonic acid-responsive genes provides a molecular tool for deciphering stress responses in soybean. Scientific Reports, 2021, 11, 20600.	1.6	11
95	Plant-feeding may explain why the generalist predator Euseius stipulatus does better on less defended citrus plants but Tetranychus-specialists Neoseiulus californicus and Phytoseiulus persimilis do not. Experimental and Applied Acarology, 2021, 83, 167-182.	0.7	8
96	Plant defense responses triggered by phytoseiid predatory mites (Mesostigmata: Phytoseiidae) are species-specific, depend on plant genotype and may not be related to direct plant feeding. BioControl, 2021, 66, 381-394.	0.9	8
97	Quantification of Callose Deposition in Plant Leaves. Bio-protocol, 2015, 5, .	0.2	8
98	Role of Abscisic Acid in Disease Resistance. , 0, , 1-22.		6
99	The plasticity of priming phenomenon activates not only common metabolomic fingerprint but also specific responses against<i>P. cucumerina</i>. Plant Signaling and Behavior, 2014, 9, e28916.	1.2	6
100	Mycorrhizal Symbiosis Triggers Local Resistance in Citrus Plants Against Spider Mites. Frontiers in Plant Science, 0, 13, .	1.7	6
101	Aquifer Contamination by Nitrogen After Sewage Sludge Fertilization. Bulletin of Environmental Contamination and Toxicology, 2004, 72, 344-351.	1.3	5
102	Loss-of-function of NITROGEN LIMITATION ADAPTATION confers disease resistance in Arabidopsis by modulating hormone signaling and camalexin content. Plant Science, 2022, 323, 111374.	1.7	5
103	The response of citrus plants to the broad mite Polyphagotarsonemus latus (Banks) (Acari:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.7	3
104	Biological and Molecular Control Tools in Plant Defense. Progress in Biological Control, 2020, , 3-43.	0.5	2
105	Down-regulation of Fra a 1.02 in strawberry fruits causes transcriptomic and metabolic changes compatible with an altered defense response. Horticulture Research, 2021, 8, 58.	2.9	2
106	Biosynthesis of IAA and its role as signal molecule in the phytopathogenic bacterium Pseudomonas savastanoi. FASEB Journal, 2019, 33, lb243.	0.2	0