

# Victor Flors

## List of Publications by Year in descending order

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106  
papers

11,767  
citations

50566

48  
h-index

32181

105  
g-index

112  
all docs

112  
docs citations

112  
times ranked

11948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Priming: Getting Ready for Battle. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 1062-1071.	1.4	1,241
2	The multifaceted role of ABA in disease resistance. <i>Trends in Plant Science</i> , 2009, 14, 310-317.	4.3	782
3	Defense Priming: An Adaptive Part of Induced Resistance. <i>Annual Review of Plant Biology</i> , 2017, 68, 485-512.	8.6	692
4	Callose Deposition: A Multifaceted Plant Defense Response. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 183-193.	1.4	613
5	Next-Generation Systemic Acquired Resistance $\hat{\hat{A}}$ . <i>Plant Physiology</i> , 2012, 158, 844-853.	2.3	577
6	Recognizing Plant Defense Priming. <i>Trends in Plant Science</i> , 2016, 21, 818-822.	4.3	549
7	Descendants of Primed Arabidopsis Plants Exhibit Resistance to Biotic Stress $\hat{\hat{A}}$ . <i>Plant Physiology</i> , 2012, 158, 835-843.	2.3	442
8	Enhancing Arabidopsis Salt and Drought Stress Tolerance by Chemical Priming for Its Abscisic Acid Responses. <i>Plant Physiology</i> , 2005, 139, 267-274.	2.3	387
9	Dissecting the $\hat{I}^2$ -Aminobutyric Acidâ€œInduced Priming Phenomenon in Arabidopsis. <i>Plant Cell</i> , 2005, 17, 987-999.	3.1	356
10	Primed plants do not forget. <i>Environmental and Experimental Botany</i> , 2013, 94, 46-56.	2.0	301
11	Benzoxazinoid Metabolites Regulate Innate Immunity against Aphids and Fungi in Maize $\hat{\hat{A}}$ . <i>Plant Physiology</i> , 2011, 157, 317-327.	2.3	295
12	The â€œprime-omeâ€™™: towards a holistic approach to priming. <i>Trends in Plant Science</i> , 2015, 20, 443-452.	4.3	287
13	Jasmonate signaling in plant development and defense response to multiple (a)biotic stresses. <i>Plant Cell Reports</i> , 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> . <i>Plant Journal</i> , 2008, 54, 81-92.	2.8	262
15	Signal signature of abovegroundâ€œinduced resistance upon belowground herbivory in maize. <i>Plant Journal</i> , 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. <i>Journal of Experimental Botany</i> , 2010, 61, 2589-2601.	2.4	238
17	The RNA Silencing Enzyme RNA Polymerase V Is Required for Plant Immunity. <i>PLoS Genetics</i> , 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. <i>Plant and Cell Physiology</i> , 2003, 44, 388-394.	1.5	148

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19	Plant perception of $\beta^2$ -aminobutyric acid is mediated by an aspartyl-tRNA synthetase. <i>Nature Chemical Biology</i> , 2014, 10, 450-456.	3.9	128
20	Metabolomics of cereals under biotic stress: current knowledge and techniques. <i>Frontiers in Plant Science</i> , 2013, 4, 82.	1.7	126
21	Abscisic Acid and Callose: Team Players in Defence Against Pathogens?. <i>Journal of Phytopathology</i> , 2005, 153, 377-383.	0.5	117
22	Hexanoic Acid-Induced Resistance Against <i>Botrytis cinerea</i> in Tomato Plants. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 1455-1465.	1.4	117
23	<i>Arabidopsis ocp3</i> mutant reveals a mechanism linking ABA and JA to pathogen-induced callose deposition. <i>Plant Journal</i> , 2011, 67, 783-794.	2.8	116
24	Metabolic transition in mycorrhizal tomato roots. <i>Frontiers in Microbiology</i> , 2015, 6, 598.	1.5	111
25	An <i>Arabidopsis</i> Homeodomain Transcription Factor, OVEREXRESSOR OF CATIONIC PEROXIDASE 3, Mediates Resistance to Infection by Necrotrophic Pathogens. <i>Plant Cell</i> , 2005, 17, 2123-2137.	3.1	108
26	Root metabolic plasticity underlies functional diversity in mycorrhiza-enhanced stress tolerance in tomato. <i>New Phytologist</i> , 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 <i>Plasmopara viticola</i> . <i>PLoS ONE</i> , 2014, 9, e88145.	1.1	106
28	Preparing to fight back: generation and storage of priming compounds. <i>Frontiers in Plant Science</i> , 2014, 5, 295.	1.7	104
29	Absence of the endo- $\beta$ -1,4-glucanases Cel1 and Cel2 reduces susceptibility to <i>Botrytis cinerea</i> in tomato. <i>Plant Journal</i> , 2007, 52, 1027-1040.	2.8	99
30	Fine Tuning of Reactive Oxygen Species Homeostasis Regulates Primed Immune Responses in <i>Arabidopsis</i> . <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 1334-1344.	1.4	93
31	Defensive plant responses induced by <i>Nesidiocoris tenuis</i> (Hemiptera: Miridae) on tomato plants. <i>Journal of Pest Science</i> , 2015, 88, 543-554.	1.9	92
32	The Induced Resistance Lexicon: Do <sup>TM</sup> s and Don <sup>TM</sup> ts. <i>Trends in Plant Science</i> , 2021, 26, 685-691.	4.3	84
33	Identification of indole-3-carboxylic acid as mediator of priming against <i>Plectosphaerella cucumerina</i> . <i>Plant Physiology and Biochemistry</i> , 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. <i>Plant Physiology</i> , 2012, 158, 1054-1066.	2.3	79
35	Drought tolerance in <i>Arabidopsis</i> is controlled by the <i>OCP3</i> disease resistance regulator. <i>Plant Journal</i> , 2009, 58, 578-591.	2.8	78
36	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. <i>Journal of Chemical Ecology</i> , 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 /Oyerlock 10	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. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1167-1180.	1.4	73
39	Priming for JA-dependent defenses using hexanoic acid is an effective mechanism to protect <i>Arabidopsis</i> against <i>B. cinerea</i> . <i>Journal of Plant Physiology</i> , 2011, 168, 359-366.	1.6	67
40	Chemical priming of immunity without costs to plant growth. <i>New Phytologist</i> , 2018, 218, 1205-1216.	3.5	67
41	Mycorrhizal tomato plants fine tunes the growthâ€defence balance upon N depleted root environments. <i>Plant, Cell and Environment</i> , 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 <i>Tetranychus urticae</i> ?. <i>International Journal of Molecular Sciences</i> , 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. <i>Plant Physiology and Biochemistry</i> , 2012, 61, 115-122.	2.8	62
44	Molecular and physiological stages of priming: how plants prepare for environmental challenges. <i>Plant Cell Reports</i> , 2014, 33, 1935-1949.	2.8	61
45	Different metabolic and genetic responses in citrus may explain relative susceptibility to <i>Tetranychus urticae</i> . <i>Pest Management Science</i> , 2014, 70, 1728-1741.	1.7	57
46	Targeting novel chemical and constitutive primed metabolites against <i>Plectosphaerella cucumerina</i> . <i>Plant Journal</i> , 2014, 78, 227-240.	2.8	56
47	Role and mechanisms of callose priming in mycorrhiza-induced resistance. <i>Journal of Experimental Botany</i> , 2020, 71, 2769-2781.	2.4	56
48	<i>Tetranychus urticae</i> -triggered responses promote genotypeâ€dependent conspecific repellence or attractiveness in citrus. <i>New Phytologist</i> , 2015, 207, 790-804.	3.5	52
49	Stage-Related Defense Response Induction in Tomato Plants by <i>Nesidiocoris tenuis</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 1210.	1.8	51
50	Preventive and postâ€infection control of <i>Botrytis cinerea</i> in tomato plants by hexanoic acid. <i>Plant Pathology</i> , 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. <i>Cell Research</i> , 2009, 19, 1322-1323.	5.7	50
52	The Nitrogen Availability Interferes with Mycorrhiza-Induced Resistance against <i>Botrytis cinerea</i> in Tomato. <i>Frontiers in Microbiology</i> , 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. <i>Pest Management Science</i> , 2018, 74, 1286-1296.	1.7	48
54	Influence of wastewater vs groundwater on young Citrus trees. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 1441-1446.	1.7	44

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55	AM symbiosis alters phenolic acid content in tomato roots. <i>Plant Signaling and Behavior</i> , 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. <i>Journal of Experimental Botany</i> , 2016, 67, 5711-5723.	2.4	43
57	Disruption of the ammonium transporter AMT1.1 alters basal defenses generating resistance against <i>Pseudomonas syringae</i> and <i>Plectosphaerella cucumerina</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 231.	1.7	42
58	Mycorrhizal symbiosis primes the accumulation of antiherbivore compounds and enhances herbivore mortality in tomato. <i>Journal of Experimental Botany</i> , 2021, 72, 5038-5050.	2.4	40
59	Folivory elicits a strong defense reaction in <i>Catharanthus roseus</i> : metabolomic and transcriptomic analyses reveal distinct local and systemic responses. <i>Scientific Reports</i> , 2017, 7, 40453.	1.6	39
60	Belowground ABA boosts aboveground production of DIMBOA and primes induction of chlorogenic acid in maize. <i>Plant Signaling and Behavior</i> , 2009, 4, 639-641.	1.2	37
61	Exogenous strigolactones impact metabolic profiles and phosphate starvation signalling in roots. <i>Plant, Cell and Environment</i> , 2020, 43, 1655-1668.	2.8	35
62	Starch degradation, abscisic acid and vesicular trafficking are important elements in callose priming by indole-3-acetic acid in response to <i>Plectosphaerella cucumerina</i> infection. <i>Plant Journal</i> , 2018, 96, 518-531.	2.8	34
63	Underivatized polyamine analysis in plant samples by ion pair LC coupled with electrospray tandem mass spectrometry. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 592-598.	2.8	33
64	Role of two UDP-Glycosyltransferases from the L group of arabidopsis in resistance against <i>pseudomonas syringae</i> . <i>European Journal of Plant Pathology</i> , 2014, 139, 707-720.	0.8	32
65	T3SS-dependent differential modulations of the jasmonic acid pathway in susceptible and resistant genotypes of <i>Malus spp.</i> challenged with <i>Erwinia amylovora</i> . <i>Plant Science</i> , 2012, 188-189, 1-9.	1.7	31
66	MÃ©nage Ã  Trois: Unraveling the Mechanisms Regulating Plant-Microbe-Arthropod Interactions. <i>Trends in Plant Science</i> , 2020, 25, 1215-1226.	4.3	31
67	Oxylipin dynamics in <i>Medicago truncatula</i> in response to salt and wounding stresses. <i>Physiologia Plantarum</i> , 2019, 165, 198-208.	2.6	29
68	Characterization of the low affinity transport system for NO <sub>3</sub> <sup>-</sup> uptake by Citrus roots. <i>Plant Science</i> , 2000, 160, 95-104.	1.7	27
69	Root-to-shoot signalling in mycorrhizal tomato plants upon <i>Botrytis cinerea</i> infection. <i>Plant Science</i> , 2020, 298, 110595.	1.7	27
70	Insect-induced gene expression at the core of volatile terpene release in <i>Medicago truncatula</i> . <i>Plant Signaling and Behavior</i> , 2009, 4, 636-638.	1.2	26
71	Modes of action of the protective strain Fo47 in controlling verticillium wilt of pepper. <i>Plant Pathology</i> , 2016, 65, 997-1007.	1.2	26
72	Accurate and easy method for systemin quantification and examining metabolic changes under different endogenous levels. <i>Plant Methods</i> , 2018, 14, 33.	1.9	25

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73	Control of the phytopathogen <i>Botrytis cinerea</i> using adipic acid monoethyl ester. <i>Archives of Microbiology</i> , 2006, 184, 316-326.	1.0	24
74	A Tolerant Behavior in Salt-Sensitive Tomato Plants can be Mimicked by Chemical Stimuli. <i>Plant Signaling and Behavior</i> , 2007, 2, 50-57.	1.2	24
75	Temporal and Spatial Resolution of Activated Plant Defense Responses in Leaves of <i>Nicotiana benthamiana</i> Infected with <i>Dickeya dadantii</i> . <i>Frontiers in Plant Science</i> , 2016, 6, 1209.	1.7	24
76	Hormone and secondary metabolite profiling in chestnut during susceptible and resistant interactions with <i>Phytophthora cinnamomi</i> . <i>Journal of Plant Physiology</i> , 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. <i>Pest Management Science</i> , 2019, 75, 1962-1970.	1.7	21
78	Induction of protection against the necrotrophic pathogens <i>Phytophthora citrophthora</i> and <i>Alternaria solani</i> in <i>Lycopersicon esculentum</i> Mill. by a novel synthetic glycoside combined with amines. <i>Planta</i> , 2003, 216, 929-938.	1.6	19
79	Customâ€made design of metabolite composition in <i>N. benthamiana</i> leaves using CRISPR activators. <i>Plant Biotechnology Journal</i> , 2022, 20, 1578-1590.	4.1	18
80	Regulation of Nitrate Transport in Citrus Rootstocks Depending of Nitrogen Availability. <i>Plant Signaling and Behavior</i> , 2007, 2, 337-342.	1.2	17
81	Inactivation of UDP-Glucose Sterol Glucosyltransferases Enhances Arabidopsis Resistance to <i>Botrytis cinerea</i> . <i>Frontiers in Plant Science</i> , 2019, 10, 1162.	1.7	17
82	Induction of plant defenses: the added value of zoophytophagous predators. <i>Journal of Pest Science</i> , 2022, 95, 1501-1517.	1.9	17
83	Three novel synthetic amides of adipic acid protect <i>Capsicum anuum</i> plants against the necrotrophic pathogen <i>Alternaria solani</i> . <i>Physiological and Molecular Plant Pathology</i> , 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> . <i>Plant Signaling and Behavior</i> , 2019, 14, 1608107.	1.2	16
85	Arabidopsis Plants Sense Non-self Peptides to Promote Resistance Against <i>Plectosphaerella cucumerina</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 529.	1.7	15
86	Extracellular DNA as an elicitor of broad-spectrum resistance in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2021, 312, 111036.	1.7	15
87	Detection, characterization and quantification of salicylic acid conjugates in plant extracts by ESI tandem mass spectrometric techniques. <i>Plant Physiology and Biochemistry</i> , 2012, 53, 19-26.	2.8	14
88	The olfactive responses of <i>Tetranychus urticae</i> natural enemies in citrus depend on plant genotype, prey presence, and their diet specialization. <i>Journal of Pest Science</i> , 2019, 92, 1165-1177.	1.9	14
89	Phosphateâ€induced resistance to pathogen infection in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2022, 110, 452-469.	2.8	14
90	Effect of a Novel Chemical Mixture on Senescence Processes and Plantâ€Fungus Interaction in Solanaceae Plants. <i>Journal of Agricultural and Food Chemistry</i> , 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 <i>Castanea sativa</i> Miller. <i>Environmental and Experimental Botany</i> , 2021, 187, 104467.	2.0	12
92	Effect of analogues of plant growth regulators on in vitro growth of eukaryotic plant pathogens. <i>Plant Pathology</i> , 2004, 53, 58-64.	1.2	11
93	A deletion in the nitrate high affinity transporter NRT2.1 alters metabolomic and transcriptomic responses to <i>Pseudomonas syringae</i> . <i>Plant Signaling and Behavior</i> , 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. <i>Scientific Reports</i> , 2021, 11, 20600.	1.6	11
95	Plant-feeding may explain why the generalist predator <i>Euseius stipulatus</i> does better on less defended citrus plants but <i>Tetranychus</i> -specialists <i>Neoseiulus californicus</i> and <i>Phytoseiulus persimilis</i> do not. <i>Experimental and Applied Acarology</i> , 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. <i>BioControl</i> , 2021, 66, 381-394.	0.9	8
97	Quantification of Callose Deposition in Plant Leaves. <i>Bio-protocol</i> , 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> . <i>Plant Signaling and Behavior</i> , 2014, 9, e28916.	1.2	6
100	Mycorrhizal Symbiosis Triggers Local Resistance in Citrus Plants Against Spider Mites. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	6
101	Aquifer Contamination by Nitrogen After Sewage Sludge Fertilization. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 72, 344-351.	1.3	5
102	Loss-of-function of NITROGEN LIMITATION ADAPTATION confers disease resistance in <i>Arabidopsis</i> by modulating hormone signaling and camalexin content. <i>Plant Science</i> , 2022, 323, 111374.	1.7	5
103	The response of citrus plants to the broad mite <i>Polyphagotarsonemus latus</i> (Banks) (Acari: Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.7	3
104	Biological and Molecular Control Tools in Plant Defense. <i>Progress in Biological Control</i> , 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. <i>Horticulture Research</i> , 2021, 8, 58.	2.9	2
106	Biosynthesis of IAA and its role as signal molecule in the phytopathogenic bacterium <i>Pseudomonas savastanoi</i> . <i>FASEB Journal</i> , 2019, 33, lb243.	0.2	0