Javier Cabrera Chaves

List of Publications by Year in Descending Order

33 papers	859 citations	15 h-index	29 g-index
35 ext. papers	1,145 ext. citations	6.4 avg, IF	3.88 L-index

#	Paper	IF	Citations
33	May the dark be with roots: A perspective on how root illumination may bias in vitro research on plant-environment interactions.. *New Phytologist*, **2021**,	9.8	0
32	Unraveling Root Development Through Single-Cell Omics and Reconstruction of Gene Regulatory Networks. *Frontiers in Plant Science*, **2021**, 12, 661361	6.2	1
31	An auxin-regulable oscillatory circuit drives the root clock in. *Science Advances*, **2021**, 7,	14.3	13
30	Reconstruction of lateral root formation through single-cell RNA sequencing reveals order of tissue initiation. *Molecular Plant*, **2021**, 14, 1362-1378	14.4	10
29	Root-knot nematodes induce gall formation by recruiting developmental pathways of post-embryonic organogenesis and regeneration to promote transient pluripotency. *New Phytologist*, **2020**, 227, 200-215	9.8	15
28	A role for ALF4 during gall and giant cell development in the biotic interaction between Arabidopsis and Meloidogyne spp. *Physiologia Plantarum*, **2019**, 165, 17-28	4.6	2
27	Arabidopsis HIPP27 is a host susceptibility gene for the beet cyst nematode Heterodera schachtii. *Molecular Plant Pathology*, **2018**, 19, 1917	5.7	20
26	sRNAs involved in the regulation of plant developmental processes are altered during the root-knot nematode interaction for feeding site formation. *European Journal of Plant Pathology*, **2018**, 152, 945-955	2.1	1
25	The Role of Programmed Cell Death Regulator in Nematode-Induced Syncytium Formation. *Frontiers in Plant Science*, **2018**, 9, 314	6.2	6
24	Silenced retrotransposons are major rasiRNAs targets in Arabidopsis galls induced by Meloidogyne javanica. *Molecular Plant Pathology*, **2018**, 19, 2431-2445	5.7	13
23	A Phenotyping Method of Giant Cells from Root-Knot Nematode Feeding Sites by Confocal Microscopy Highlights a Role for CHITINASE-LIKE 1 in Arabidopsis. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	14
22	A role for the gene regulatory module microRNA172/TARGET OF EARLY ACTIVATION TAGGED 1/FLOWERING LOCUS T (miRNA172/TOE1/FT) in the feeding sites induced by Meloidogyne javanica in Arabidopsis thaliana. *New Phytologist*, **2018**, 217, 813-827	9.8	24
21	A Standardized Method to Assess Infection Rates of Root-Knot and Cyst Nematodes in Arabidopsis thaliana Mutants with Alterations in Root Development Related to Auxin and Cytokinin Signaling. *Methods in Molecular Biology*, **2017**, 1569, 73-81	1.4	7
20	Characterization of microRNAs from Arabidopsis galls highlights a role for miR159 in the plant response to the root-knot nematode Meloidogyne incognita. *New Phytologist*, **2017**, 216, 882-896	9.8	46
19	Molecular Transducers from Roots Are Triggered in Arabidopsis Leaves by Root-Knot Nematodes for Successful Feeding Site Formation: A Conserved Post-Embryogenic Organogenesis Program?. *Frontiers in Plant Science*, **2017**, 8, 875	6.2	13
18	Root-Knot and Cyst Nematodes Activate Procambium-Associated Genes in Roots. *Frontiers in Plant Science*, **2017**, 8, 1195	6.2	21
17	Anatomical Alterations in Plant Tissues Induced by Plant-Parasitic Nematodes. *Frontiers in Plant Science*, **2017**, 8, 1987	6.2	45

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16	Belowground Defence Strategies Against Sedentary Nematodes. *Signaling and Communication in Plants*, **2016**, 221-251	1	1
15	Differentially expressed small RNAs in Arabidopsis galls formed by Meloidogyne javanica: a functional role for miR390 and its TAS3-derived tasiRNAs. *New Phytologist*, **2016**, 209, 1625-40	9.8	63
14	Long-Term In Vitro System for Maintenance and Amplification of Root-Knot Nematodes in Cucumis sativus Roots. *Frontiers in Plant Science*, **2016**, 7, 124	6.2	13
13	The Power of Omics to Identify Plant Susceptibility Factors and to Study Resistance to Root-knot Nematodes. *Current Issues in Molecular Biology*, **2016**, 19, 53-72	2.9	6
12	Developmental Pathways Mediated by Hormones in Nematode Feeding Sites. *Advances in Botanical Research*, **2015**, 73, 167-188	2.2	13
11	Overview of Root-Knot Nematodes and Giant Cells. *Advances in Botanical Research*, **2015**, 73, 1-32	2.2	35
10	Genes co-regulated with LBD16 in nematode feeding sites inferred from in silico analysis show similarities to regulatory circuits mediated by the auxin/cytokinin balance in Arabidopsis. *Plant Signaling and Behavior*, **2015**, 10, e990825	2.5	12
9	Phenotyping nematode feeding sites: three-dimensional reconstruction and volumetric measurements of giant cells induced by root-knot nematodes in Arabidopsis. *New Phytologist*, **2015**, 206, 868-80	9.8	25
8	NEMATIC: a simple and versatile tool for the in silico analysis of plant-nematode interactions. *Molecular Plant Pathology*, **2014**, 15, 627-36	5.7	24
7	Altered sucrose synthase and invertase expression affects the local and systemic sugar metabolism of nematode-infected Arabidopsis thaliana plants. *Journal of Experimental Botany*, **2014**, 65, 201-12	7	42
6	Transcriptomic signatures of transfer cells in early developing nematode feeding cells of Arabidopsis focused on auxin and ethylene signaling. *Frontiers in Plant Science*, **2014**, 5, 107	6.2	24
5	Two closely related members of Arabidopsis 13-lipoxygenases (13-LOXs), LOX3 and LOX4, reveal distinct functions in response to plant-parasitic nematode infection. *Molecular Plant Pathology*, **2014**, 15, 319-32	5.7	58
4	A role for LATERAL ORGAN BOUNDARIES-DOMAIN 16 during the interaction Arabidopsis-Meloidogyne spp. provides a molecular link between lateral root and root-knot nematode feeding site development. *New Phytologist*, **2014**, 203, 632-645	9.8	40
3	Organ accumulation and subcellular location of Cicer arietinum ST1 protein. *Plant Science*, **2014**, 224, 44-53	5.3	3
2	Distinct and conserved transcriptomic changes during nematode-induced giant cell development in tomato compared with Arabidopsis: a functional role for gene repression. *New Phytologist*, **2013**, 197, 1276-1290	9.8	76
1	Early transcriptomic events in microdissected Arabidopsis nematode-induced giant cells. *Plant Journal*, **2010**, 61, 698-712	6.9	173