

# Javier Cabrera Chaves

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Early transcriptomic events in microdissected Arabidopsis nematode-induced giant cells. <i>Plant Journal</i> , <b>2010</b> , 61, 698-712	6.9	173
32	Distinct and conserved transcriptomic changes during nematode-induced giant cell development in tomato compared with Arabidopsis: a functional role for gene repression. <i>New Phytologist</i> , <b>2013</b> , 197, 1276-1290	9.8	76
31	Differentially expressed small RNAs in Arabidopsis galls formed by <i>Meloidogyne javanica</i> : a functional role for miR390 and its TAS3-derived tasiRNAs. <i>New Phytologist</i> , <b>2016</b> , 209, 1625-40	9.8	63
30	Two closely related members of Arabidopsis 13-lipoxygenases (13-LOXs), LOX3 and LOX4, reveal distinct functions in response to plant-parasitic nematode infection. <i>Molecular Plant Pathology</i> , <b>2014</b> , 15, 319-32	5.7	58
29	Characterization of microRNAs from Arabidopsis galls highlights a role for miR159 in the plant response to the root-knot nematode <i>Meloidogyne incognita</i> . <i>New Phytologist</i> , <b>2017</b> , 216, 882-896	9.8	46
28	Anatomical Alterations in Plant Tissues Induced by Plant-Parasitic Nematodes. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1987	6.2	45
27	Altered sucrose synthase and invertase expression affects the local and systemic sugar metabolism of nematode-infected Arabidopsis thaliana plants. <i>Journal of Experimental Botany</i> , <b>2014</b> , 65, 201-12	7	42
26	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. <i>New Phytologist</i> , <b>2014</b> , 203, 632-645	9.8	40
25	Overview of Root-Knot Nematodes and Giant Cells. <i>Advances in Botanical Research</i> , <b>2015</b> , 73, 1-32	2.2	35
24	Phenotyping nematode feeding sites: three-dimensional reconstruction and volumetric measurements of giant cells induced by root-knot nematodes in Arabidopsis. <i>New Phytologist</i> , <b>2015</b> , 206, 868-80	9.8	25
23	NEMATIC: a simple and versatile tool for the in silico analysis of plant-nematode interactions. <i>Molecular Plant Pathology</i> , <b>2014</b> , 15, 627-36	5.7	24
22	Transcriptomic signatures of transfer cells in early developing nematode feeding cells of Arabidopsis focused on auxin and ethylene signaling. <i>Frontiers in Plant Science</i> , <b>2014</b> , 5, 107	6.2	24
21	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 <i>Meloidogyne javanica</i> in Arabidopsis thaliana. <i>New Phytologist</i> , <b>2018</b> , 217, 813-827	9.8	24
20	Root-Knot and Cyst Nematodes Activate Procambium-Associated Genes in Roots. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 1195	6.2	21
19	Arabidopsis HIP27 is a host susceptibility gene for the beet cyst nematode <i>Heterodera schachtii</i> . <i>Molecular Plant Pathology</i> , <b>2018</b> , 19, 1917	5.7	20
18	Root-knot nematodes induce gall formation by recruiting developmental pathways of post-embryonic organogenesis and regeneration to promote transient pluripotency. <i>New Phytologist</i> , <b>2020</b> , 227, 200-215	9.8	15
17	A Phenotyping Method of Giant Cells from Root-Knot Nematode Feeding Sites by Confocal Microscopy Highlights a Role for CHITINASE-LIKE 1 in Arabidopsis. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	14

16	Developmental Pathways Mediated by Hormones in Nematode Feeding Sites. <i>Advances in Botanical Research</i> , <b>2015</b> , 73, 167-188	2.2	13
15	Silenced retrotransposons are major rasiRNAs targets in Arabidopsis galls induced by Meloidogyne javanica. <i>Molecular Plant Pathology</i> , <b>2018</b> , 19, 2431-2445	5.7	13
14	Molecular Transducers from Roots Are Triggered in Arabidopsis Leaves by Root-Knot Nematodes for Successful Feeding Site Formation: A Conserved Post-Embryogenic Organogenesis Program?. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 875	6.2	13
13	Long-Term In Vitro System for Maintenance and Amplification of Root-Knot Nematodes in Cucumis sativus Roots. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 124	6.2	13
12	An auxin-regulable oscillatory circuit drives the root clock in. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	13
11	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. <i>Plant Signaling and Behavior</i> , <b>2015</b> , 10, e990825	2.5	12
10	Reconstruction of lateral root formation through single-cell RNA sequencing reveals order of tissue initiation. <i>Molecular Plant</i> , <b>2021</b> , 14, 1362-1378	14.4	10
9	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. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1569, 73-81	1.4	7
8	The Role of Programmed Cell Death Regulator in Nematode-Induced Syncytium Formation. <i>Frontiers in Plant Science</i> , <b>2018</b> , 9, 314	6.2	6
7	The Power of Omics to Identify Plant Susceptibility Factors and to Study Resistance to Root-knot Nematodes. <i>Current Issues in Molecular Biology</i> , <b>2016</b> , 19, 53-72	2.9	6
6	Organ accumulation and subcellular location of Cicer arietinum ST1 protein. <i>Plant Science</i> , <b>2014</b> , 224, 44-53	5.3	3
5	A role for ALF4 during gall and giant cell development in the biotic interaction between Arabidopsis and Meloidogyne spp. <i>Physiologia Plantarum</i> , <b>2019</b> , 165, 17-28	4.6	2
4	sRNAs involved in the regulation of plant developmental processes are altered during the root-knot nematode interaction for feeding site formation. <i>European Journal of Plant Pathology</i> , <b>2018</b> , 152, 945-955	2.1	1
3	Belowground Defence Strategies Against Sedentary Nematodes. <i>Signaling and Communication in Plants</i> , <b>2016</b> , 221-251	1	1
2	Unraveling Root Development Through Single-Cell Omics and Reconstruction of Gene Regulatory Networks. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 661361	6.2	1
1	May the dark be with roots: A perspective on how root illumination may bias in vitro research on plant-environment interactions.. <i>New Phytologist</i> , <b>2021</b> ,	9.8	0