

Eric L Davis

List of Publications by Year in descending order

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39
papers

3,414
citations

218381

26
h-index

329751

37
g-index

41
all docs

41
docs citations

41
times ranked

1867
citing authors

#	ARTICLE	IF	CITATIONS
1	Getting to the roots of parasitism by nematodes. <i>Trends in Parasitology</i> , 2004, 20, 134-141.	1.5	273
2	Nematode Parasitism Genes. <i>Annual Review of Phytopathology</i> , 2000, 38, 365-396.	3.5	270
3	Nematode effector proteins: an emerging paradigm of parasitism. <i>New Phytologist</i> , 2013, 199, 879-894.	3.5	269
4	The Parasitome of the Phytonematode <i>Heterodera glycines</i> . <i>Molecular Plant-Microbe Interactions</i> , 2003, 16, 720-726.	1.4	257
5	Parasitism proteins in nematode-plant interactions. <i>Current Opinion in Plant Biology</i> , 2008, 11, 360-366.	3.5	223
6	A parasitism gene from a plant-parasitic nematode with function similar to CLAVATA3/ESR (CLE) of <i>Arabidopsis thaliana</i> . <i>Molecular Plant Pathology</i> , 2005, 6, 187-191.	2.0	215
7	<i>Arabidopsis</i> Spermidine Synthase Is Targeted by an Effector Protein of the Cyst Nematode <i>Heterodera schachtii</i> . <i>Plant Physiology</i> , 2010, 152, 968-984.	2.3	189
8	Signal Peptide-Selection of cDNA Cloned Directly from the Esophageal Gland Cells of the Soybean Cyst Nematode <i>Heterodera glycines</i> . <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 536-544.	1.4	156
9	Endo- β -1,4-Glucanase Expression in Compatible Plant-Nematode Interactions. <i>Plant Cell</i> , 2001, 13, 2241-2255.	3.1	142
10	The Novel Cyst Nematode Effector Protein 19C07 Interacts with the <i>Arabidopsis</i> Auxin Influx Transporter LAX3 to Control Feeding Site Development. <i>Plant Physiology</i> , 2011, 155, 866-880.	2.3	141
11	Dual roles for the variable domain in protein trafficking and host-specific recognition of <i>Heterodera glycines</i> CLE effector proteins. <i>New Phytologist</i> , 2010, 187, 1003-1017.	3.5	116
12	Nematode CLE signaling in <i>Arabidopsis</i> requires CLAVATA2 and CORYNE. <i>Plant Journal</i> , 2011, 65, 430-440.	2.8	108
13	Identification of Putative Parasitism Genes Expressed in the Esophageal Gland Cells of the Soybean Cyst Nematode <i>Heterodera glycines</i> . <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 1247-1254.	1.4	107
14	Identification of potential host plant mimics of CLAVATA3/ESR (CLE)-like peptides from the plant-parasitic nematode <i>Heterodera schachtii</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 177-186.	2.0	95
15	Role of Nematode Peptides and Other Small Molecules in Plant Parasitism. <i>Annual Review of Phytopathology</i> , 2012, 50, 175-195.	3.5	89
16	The Cyst Nematode Effector Protein 10A07 Targets and Recruits Host Posttranslational Machinery to Mediate Its Nuclear Trafficking and to Promote Parasitism in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 891-907.	3.1	84
17	Molecular characterisation and expression of two venom allergen-like protein genes in <i>Heterodera glycines</i> . <i>International Journal for Parasitology</i> , 2001, 31, 1617-1625.	1.3	75
18	Nematodes. Sophisticated Parasites of Legumes. <i>Plant Physiology</i> , 2005, 137, 1182-1188.	2.3	70

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19	Genome-Wide Association Study of Resistance to Soybean Cyst Nematode (<i>Heterodera glycines</i>) HG Type 2.5.7 in Wild Soybean (<i>Glycine soja</i>). <i>Frontiers in Plant Science</i> , 2016, 7, 1214.	1.7	68
20	The bHLH transcription factor ILR3 modulates multiple stress responses in <i>Arabidopsis</i> . <i>Plant Molecular Biology</i> , 2018, 97, 297-309.	2.0	60
21	Eighteen New Candidate Effectors of the Phytonematode <i>Heterodera glycines</i> Produced Specifically in the Secretory Esophageal Gland Cells During Parasitism. <i>Phytopathology</i> , 2015, 105, 1362-1372.	1.1	57
22	The tobacco Cel7 gene promoter is auxin-responsive and locally induced in nematode feeding sites of heterologous plants. <i>Molecular Plant Pathology</i> , 2007, 8, 423-436.	2.0	50
23	Sequence mining and transcript profiling to explore cyst nematode parasitism. <i>BMC Genomics</i> , 2009, 10, 58.	1.2	43
24	The novel cyst nematode effector protein 30D08 targets host nuclear functions to alter gene expression in feeding sites. <i>New Phytologist</i> , 2018, 219, 697-713.	3.5	38
25	A cyst nematode effector binds to diverse plant proteins, increases nematode susceptibility and affects root morphology. <i>Molecular Plant Pathology</i> , 2016, 17, 832-844.	2.0	32
26	Novel global effector mining from the transcriptome of early life stages of the soybean cyst nematode <i>Heterodera glycines</i> . <i>Scientific Reports</i> , 2018, 8, 2505.	1.6	31
27	Phytonematode peptide effectors exploit a host post-translational trafficking mechanism to the ER using a novel translocation signal. <i>New Phytologist</i> , 2021, 229, 563-574.	3.5	24
28	Distribution of <i>Meloidogyne enterolobii</i> in Eastern North Carolina and Comparison of Four Isolates. <i>Plant Health Progress</i> , 2020, 21, 91-96.	0.8	23
29	Novel RNA viruses within plant parasitic cyst nematodes. <i>PLoS ONE</i> , 2018, 13, e0193881.	1.1	15
30	Spirotetramat causes an arrest of nematode juvenile development. <i>Nematology</i> , 2016, 18, 121-131.	0.2	14
31	Soybean cyst nematode culture collections and field populations from North Carolina and Missouri reveal high incidences of infection by viruses. <i>PLoS ONE</i> , 2017, 12, e0171514.	1.1	13
32	Sequence and Spatiotemporal Expression Analysis of CLE-Motif Containing Genes from the Reniform Nematode (<i>Rotylenchulus reniformis</i> Linford & Oliveira). <i>Journal of Nematology</i> , 2015, 47, 159-65.	0.4	13
33	Modulation of <i>Arabidopsis</i> Flavonol Biosynthesis Genes by Cyst and Root-Knot Nematodes. <i>Plants</i> , 2020, 9, 253.	1.6	11
34	Targeted suppression of soybean BAG6-induced cell death in yeast by soybean cyst nematode effectors. <i>Molecular Plant Pathology</i> , 2020, 21, 1227-1239.	2.0	9
35	Electropermeabilization-based fluorescence in situ hybridization of whole-mount plant parasitic nematode specimens. <i>MethodsX</i> , 2019, 6, 2720-2728.	0.7	6
36	Screening Sweetpotato Genotypes for Resistance to a North Carolina Isolate of <i>Meloidogyne enterolobii</i> . <i>Plant Disease</i> , 2021, 105, 1101-1107.	0.7	5

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37	Wrap-and-plant technology to manage sustainably potato cyst nematodes in East Africa. <i>Nature Sustainability</i> , 0, , .	11.5	5
38	Localization of viral and host RNA within soybean cyst nematode via fluorescence in situ hybridization. <i>Experimental Parasitology</i> , 2020, 211, 107866.	0.5	2
39	Anastasios (Tasso) Christos Triantaphyllou (1926-2009). <i>Nematology</i> , 2010, 12, 311-312.	0.2	0