

John T Jones

List of Publications by Year in descending order

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87
papers

7,764
citations

76326

40
h-index

53230

85
g-index

92
all docs

92
docs citations

92
times ranked

4872
citing authors

#	ARTICLE	IF	CITATIONS
1	An unconventionally secreted effector from the root knot nematode <i>Meloidogyne incognita</i> , Miâ€SCâ€1, promotes parasitism by disrupting salicylic acid biosynthesis in host plants. <i>Molecular Plant Pathology</i> , 2022, 23, 516-529.	4.2	13
2	Toward genetic modification of plant-parasitic nematodes: delivery of macromolecules to adults and expression of exogenous mRNA in second stage juveniles. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	9
3	Resisting Potato Cyst Nematodes With Resistance. <i>Frontiers in Plant Science</i> , 2021, 12, 661194.	3.6	28
4	Potato cyst nematodes <i>Globodera rostochiensis</i> and <i>G. pallida</i> . <i>Molecular Plant Pathology</i> , 2021, 22, 495-507.	4.2	33
5	The GpIA7 effector from the potato cyst nematode <i>Globodera pallida</i> targets potato EBP1 and interferes with the plant cell cycle. <i>Journal of Experimental Botany</i> , 2021, 72, 7301-7315.	4.8	4
6	Surface coat proteins of the potato cyst nematode, <i>Globodera rostochiensis</i> . <i>Nematology</i> , 2020, 23, 113-123.	0.6	0
7	The Genomic Impact of Selection for Virulence against Resistance in the Potato Cyst Nematode, <i>Globodera pallida</i> . <i>Genes</i> , 2020, 11, 1429.	2.4	8
8	Signatures of adaptation to a monocot host in the plantâ€parasitic cyst nematode <i>Heterodera sacchari</i> . <i>Plant Journal</i> , 2020, 103, 1263-1274.	5.7	9
9	Mapping the H2 resistance effective against <i>Globodera pallida</i> pathotype Pa1 in tetraploid potato. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1283-1294.	3.6	36
10	In vitro life cycle of <i>Heterodera sacchari</i> on Pluronic gel. <i>Nematology</i> , 2019, 21, 573-579.	0.6	2
11	STATAWAARS: a promoter motif associated with spatial expression in the major effector-producing tissues of the plant-parasitic nematode <i>Bursaphelenchus xylophilus</i> . <i>BMC Genomics</i> , 2018, 19, 553.	2.8	26
12	The <i>Globodera pallida</i> SPRYSEC Effector GpSPRY-414-2 That Suppresses Plant Defenses Targets a Regulatory Component of the Dynamic Microtubule Network. <i>Frontiers in Plant Science</i> , 2018, 9, 1019.	3.6	31
13	Sex: Not all that itâ€™s cracked up to be?. <i>PLoS Genetics</i> , 2018, 14, e1007160.	3.5	7
14	Translational biology of nematode effectors. Or, to put it another way, functional analysis of effectors â€“ whatâ€™s the point?. <i>Nematology</i> , 2017, 19, 251-261.	0.6	13
15	Genome Evolution of Plant-Parasitic Nematodes. <i>Annual Review of Phytopathology</i> , 2017, 55, 333-354.	7.8	71
16	The Transcriptomes of <i>Xiphinema index</i> and <i>Longidorus elongatus</i> Suggest Independent Acquisition of Some Plant Parasitism Genes by Horizontal Gene Transfer in Early-Branching Nematodes. <i>Genes</i> , 2017, 8, 287.	2.4	19
17	Identification and characterization of parasitism genes from the pinewood nematode <i>Bursaphelenchus xylophilus</i> reveals a multilayered detoxification strategy. <i>Molecular Plant Pathology</i> , 2016, 17, 286-295.	4.2	91
18	Characterization of glutathione S-transferases from the pine wood nematode, <i>Bursaphelenchus xylophilus</i> . <i>Nematology</i> , 2016, 18, 697-709.	0.6	20

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19	Functional C-TERMINALLY ENCODED PEPTIDE (CEP) plant hormone domains evolved <i>de novo</i> in the plant parasite <i>Rotylenchulus reniformis</i> . <i>Molecular Plant Pathology</i> , 2016, 17, 1265-1275.	4.2	38
20	Transcriptional and morphological changes in the transition from mycetophagous to phytophagous phase in the plant-parasitic nematode <i>Bursaphelenchus xylophilus</i> . <i>Molecular Plant Pathology</i> , 2016, 17, 77-83.	4.2	33
21	The genome of the yellow potato cyst nematode, <i>Globodera rostochiensis</i> , reveals insights into the basis of parasitism and virulence. <i>Genome Biology</i> , 2016, 17, 124.	8.8	156
22	Horizontal Gene Transfer from Bacteria Has Enabled the Plant-Parasitic Nematode <i>Globodera pallida</i> to Feed on Host-Derived Sucrose. <i>Molecular Biology and Evolution</i> , 2016, 33, 1571-1579.	8.9	52
23	Gene expression changes in diapause or quiescent potato cyst nematode, <i>Globodera pallida</i> , eggs after hydration or exposure to tomato root diffusate. <i>PeerJ</i> , 2016, 4, e1654.	2.0	8
24	A metagenetic approach to determine the diversity and distribution of cyst nematodes at the level of the country, the field and the individual. <i>Molecular Ecology</i> , 2015, 24, 5842-5851.	3.9	22
25	Only a small subset of the SPRY domain gene family in <i>Globodera pallida</i> is likely to encode effectors, two of which suppress host defences induced by the potato resistance gene <i>Gpa2</i> . <i>Nematology</i> , 2015, 17, 409-424.	0.6	46
26	Suppression of Plant Defences by Plant-Parasitic Nematodes. <i>Advances in Botanical Research</i> , 2015, , 325-337.	1.1	24
27	Ancient and Novel Small RNA Pathways Compensate for the Loss of piRNAs in Multiple Independent Nematode Lineages. <i>PLoS Biology</i> , 2015, 13, e1002061.	5.6	118
28	Plant-parasitic nematode feeding tubes and plugs: new perspectives on function. <i>Nematology</i> , 2015, 17, 1-9.	0.6	14
29	Signatures of adaptation to plant parasitism in nematode genomes. <i>Parasitology</i> , 2015, 142, S71-S84.	1.5	68
30	Identification and Characterisation of a Hyper-Variable Apoplastic Effector Gene Family of the Potato Cyst Nematodes. <i>PLoS Pathogens</i> , 2014, 10, e1004391.	4.7	82
31	Characterisation of the transcriptome of <i>Aphelenchoides besseyi</i> and identification of a GHF 45 cellulase. <i>Nematology</i> , 2014, 16, 99-107.	0.6	14
32	Functional Characterization of Nematode Effectors in Plants. <i>Methods in Molecular Biology</i> , 2014, 1127, 113-124.	0.9	14
33	The Transcriptome of <i>Nacobbus aberrans</i> Reveals Insights into the Evolution of Sedentary Endoparasitism in Plant-Parasitic Nematodes. <i>Genome Biology and Evolution</i> , 2014, 6, 2181-2194.	2.5	39
34	Genomic characterisation of the effector complement of the potato cyst nematode <i>Globodera pallida</i> . <i>BMC Genomics</i> , 2014, 15, 923.	2.8	81
35	The genome and life-stage specific transcriptomes of <i>Globodera pallida</i> elucidate key aspects of plant parasitism by a cyst nematode. <i>Genome Biology</i> , 2014, 15, R43.	9.6	212
36	Distribution and evolution of glycoside hydrolase family 45 cellulases in nematodes and fungi. <i>BMC Evolutionary Biology</i> , 2014, 14, 69.	3.2	37

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37	The Feeding Tube of Cyst Nematodes: Characterisation of Protein Exclusion. <i>PLoS ONE</i> , 2014, 9, e87289.	2.5	14
38	Bioinformatic Analysis of Expression Data to Identify Effector Candidates. <i>Methods in Molecular Biology</i> , 2014, 1127, 17-27.	0.9	1
39	Top 10 plant-parasitic nematodes in molecular plant pathology. <i>Molecular Plant Pathology</i> , 2013, 14, 946-961.	4.2	1,454
40	Activation of hatching in diapaused and quiescent <i>Globodera pallida</i> . <i>Parasitology</i> , 2013, 140, 445-454.	1.5	12
41	A molecular analysis of desiccation tolerance mechanisms in the anhydrobiotic nematode <i>Panagrolaimus superbus</i> using expressed sequenced tags. <i>BMC Research Notes</i> , 2012, 5, 68.	1.4	41
42	Functional roles of effectors of plant-parasitic nematodes. <i>Gene</i> , 2012, 492, 19-31.	2.2	228
43	Crops that feed the world 8: Potato: are the trends of increased global production sustainable?. <i>Food Security</i> , 2012, 4, 477-508.	5.3	295
44	Comparison of transcript profiles in different life stages of the nematode <i>Globodera pallida</i> under different host potato genotypes. <i>Molecular Plant Pathology</i> , 2012, 13, 1120-1134.	4.2	14
45	A polygalacturonase-inhibiting protein with a role in pea defence against the cyst nematode <i>Heterodera goettingiana</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 275-287.	4.2	19
46	Horizontal Gene Transfer in Nematodes: A Catalyst for Plant Parasitism?. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 879-887.	2.6	146
47	Plant Nematode Surfaces. , 2011, , 115-144.		13
48	Genomic Insights into the Origin of Parasitism in the Emerging Plant Pathogen <i>Bursaphelenchus xylophilus</i> . <i>PLoS Pathogens</i> , 2011, 7, e1002219.	4.7	351
49	Osmotic responses of different strains of <i>Steinernema carpocapsae</i> . <i>Nematology</i> , 2011, 13, 845-851.	0.6	8
50	Identification of putative expansin-like genes from the pine wood nematode, <i>Bursaphelenchus xylophilus</i> , and evolution of the expansin gene family within the Nematoda. <i>Nematology</i> , 2009, 11, 355-364.	0.6	47
51	Analysis of expressed sequence tags and identification of genes encoding cell-wall-degrading enzymes from the fungivorous nematode <i>Aphelenchus avenae</i> . <i>BMC Genomics</i> , 2009, 10, 525.	2.8	32
52	Identification and functional characterization of effectors in expressed sequence tags from various life cycle stages of the potato cyst nematode <i>Globodera pallida</i> . <i>Molecular Plant Pathology</i> , 2009, 10, 815-828.	4.2	96
53	RNAi and Functional Genomics in Plant Parasitic Nematodes. <i>Annual Review of Phytopathology</i> , 2009, 47, 207-232.	7.8	132
54	Novel primers for the amplification of nuclear DNA introns in the entomopathogenic nematode <i>Heterorhabditis bacteriophora</i> and their cross-amplification in seven other <i>Heterorhabditis</i> species. <i>Molecular Ecology Resources</i> , 2009, 9, 421-424.	4.8	3

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55	Identification and Characterization of the Most Abundant Cellulases in Stylet Secretions from <i>Globodera rostochiensis</i> . <i>Phytopathology</i> , 2009, 99, 194-202.	2.2	44
56	Parasitism genes and host range disparities in biotrophic nematodes: the conundrum of polyphagy versus specialisation. <i>BioEssays</i> , 2008, 30, 249-259.	2.5	83
57	Genome sequence of the metazoan plant-parasitic nematode <i>Meloidogyne incognita</i> . <i>Nature Biotechnology</i> , 2008, 26, 909-915.	17.5	1,012
58	<i>Bursaphelenchus xylophilus</i> : opportunities in comparative genomics and molecular host-parasite interactions. <i>Molecular Plant Pathology</i> , 2008, 9, 357-368.	4.2	131
59	Stage-specific gene expression in <i>Teladorsagia circumcincta</i> (Nematoda: Strongylida) infective larvae and early parasitic stages. <i>International Journal for Parasitology</i> , 2008, 38, 829-838.	3.1	40
60	Characterisation of the cellulose-binding protein Mj-cbp-1 of the root knot nematode, <i>Meloidogyne javanica</i> . <i>Physiological and Molecular Plant Pathology</i> , 2008, 72, 21-28.	2.5	26
61	The role of flavonoids produced in response to cyst nematode infection of <i>Arabidopsis thaliana</i> . <i>Nematology</i> , 2007, 9, 671-677.	0.6	41
62	Delivery of macromolecules to plant parasitic nematodes using a tobacco rattle virus vector. <i>Plant Biotechnology Journal</i> , 2007, 5, 827-834.	8.3	36
63	Expressed sequence tag (EST) analysis of the pine wood nematode <i>Bursaphelenchus xylophilus</i> and <i>B. mucronatus</i> . <i>Molecular and Biochemical Parasitology</i> , 2007, 155, 9-17.	1.1	83
64	Cloning and Characterization of Pectate Lyases Expressed in the Esophageal Gland of the Pine Wood Nematode <i>Bursaphelenchus xylophilus</i> . <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 280-287.	2.6	99
65	Molecular and biochemical characterization of an endo- β -1,3-glucanase from the pinewood nematode <i>Bursaphelenchus xylophilus</i> acquired by horizontal gene transfer from bacteria. <i>Biochemical Journal</i> , 2005, 389, 117-125.	3.7	121
66	A method for double-stranded RNA-mediated transient gene silencing in <i>Phytophthora infestans</i> . <i>Molecular Plant Pathology</i> , 2005, 6, 153-163.	4.2	108
67	Analysis of expressed sequence tags from the ectoparasitic nematode <i>Xiphinema index</i> . <i>Nematology</i> , 2005, 7, 95-104.	0.6	26
68	Horizontal gene transfer from bacteria and fungi as a driving force in the evolution of plant parasitism in nematodes. <i>Nematology</i> , 2005, 7, 641-646.	0.6	76
69	Functional Analysis of Pathogenicity Proteins of the Potato Cyst Nematode <i>Globodera rostochiensis</i> Using RNAi. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 621-625.	2.6	148
70	Analysis of chitin synthase function in a plant parasitic nematode, <i>Meloidogyne artiellia</i> , using RNAi. <i>Gene</i> , 2005, 349, 87-95.	2.2	110
71	A nematode expansin acting on plants. <i>Nature</i> , 2004, 427, 30-30.	27.8	180
72	A family of glycosyl hydrolase family 45 cellulases from the pine wood nematode <i>Bursaphelenchus xylophilus</i> . <i>FEBS Letters</i> , 2004, 572, 201-205.	2.8	178

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73	Characterization of a chorismate mutase from the potato cyst nematode <i>Globodera pallida</i> . <i>Molecular Plant Pathology</i> , 2003, 4, 43-50.	4.2	99
74	Production and characterisation of monoclonal antibodies to antigens from <i>Xiphinema index</i> . <i>Nematology</i> , 2003, 5, 359-366.	0.6	1
75	Localisation of <i>Globodera pallida</i> FMRFamide-related peptide encoding genes using in situ hybridisation. <i>International Journal for Parasitology</i> , 2002, 32, 1095-1105.	3.1	52
76	Identification of gene expression differences between <i>Globodera pallida</i> and <i>G. â€™mexicana</i> â€™™ by suppression subtractive hybridization. <i>Molecular Plant Pathology</i> , 2002, 3, 217-226.	4.2	13
77	Characterisation of a collagen gene subfamily from the potato cyst nematode <i>Globodera pallida</i> . <i>Gene</i> , 2001, 263, 67-75.	2.2	9
78	Horizontal transfer of a bacterial gene involved in polyglutamate biosynthesis to the plant-parasitic nematode <i>Meloidogyne artiellia</i> . <i>FEBS Letters</i> , 2001, 508, 470-474.	2.8	23
79	A surface-associated retinol- and fatty acid-binding protein (Gp-FAR-1) from the potato cyst nematode <i>Globodera pallida</i> : lipid binding activities, structural analysis and expression pattern. <i>Biochemical Journal</i> , 2001, 356, 387-394.	3.7	105
80	Capture of nematodes using antiserum and lectin-coated magnetised beads. <i>Nematology</i> , 2001, 3, 593-601.	0.6	7
81	A surface-associated retinol- and fatty acid-binding protein (Gp-FAR-1) from the potato cyst nematode <i>Globodera pallida</i> : lipid binding activities, structural analysis and expression pattern. <i>Biochemical Journal</i> , 2001, 356, 387.	3.7	97
82	Degradation of plant cell walls by a nematode. <i>Nature</i> , 2000, 406, 36-37.	27.8	167
83	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode <i>Globodera rostochiensis</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 41-49.	1.1	104
84	Analysis of genes expressed in second stage juveniles of the potato cyst nematodes <i>Globodera rostochiensis</i> and <i>G. pallida</i> using the expressed sequence tag approach. <i>Nematology</i> , 2000, 2, 567-574.	0.6	53
85	SXP/RAL-2 proteins of the potato cyst nematode <i>Globodera rostochiensis</i> : secreted proteins of the hypodermis and amphids. <i>Nematology</i> , 2000, 2, 887-893.	0.6	31
86	Rapid gene discovery in plant parasitic nematodes via Expressed Sequence Tags. <i>Nematology</i> , 2000, 2, 719-731.	0.6	34
87	Activation of transcription during the hatching process of the potato cyst nematode <i>Globodera rostochiensis</i> . <i>Nematology</i> , 1999, 1, 103-111.	0.6	14