Eric Grenier

List of Publications by Year in descending order

53 papers	2,306 citations	430874 18 h-index	214800 47 g-index
54 all docs	54 docs citations	54 times ranked	2060 citing authors

#	Article	IF	Citations
1	Diversity of plant parasitic nematodes characterized from fields of the French national monitoring programme for the Columbia root-knot nematode. PLoS ONE, 2022, 17, e0265070.	2.5	4
2	Recent Advances in Population Genomics of Plant-Parasitic Nematodes. Phytopathology, 2021, 111, 40-48.	2.2	12
3	Image based species identification of Globodera quarantine nematodes using computer vision and deep learning. Computers and Electronics in Agriculture, 2021, 186, 106058.	7.7	15
4	Characterization of Globodera ellingtonae Populations from Chile Utilizing Whole Genome Sequencing. Journal of Nematology, 2021, 53, 1-9.	0.9	0
5	Evidence of strong gene flow among French populations of the carrot cyst nematodeHeterodera carotae. Plant Pathology, 2020, 69, 168-176.	2.4	6
6	Distribution, DNA barcoding and genetic diversity of potato cyst nematodes in Indonesia. European Journal of Plant Pathology, 2020, 158, 363-380.	1.7	11
7	Plantâ€“parasite coevolution: A weak signature of local adaptation between Peruvian Globodera pallida populations and wild potatoes. Ecology and Evolution, 2020, 10, 4156-4163.	1.9	4
8	Monitoring and tackling genetic selection in the potato cyst nematode Globodera pallida. EFSA Supporting Publications, 2020, 17, 1874E.	0.7	3
9	The hidden diversity of the potato cyst nematode Globodera pallida in the south of Peru. Evolutionary Applications, 2020, 13, 727-737.	3.1	14
10	What determines host specificity in hyperspecialized plant parasitic nematodes?. BMC Genomics, 2019, 20, 457.	2.8	11
11	Microsatellite markers reveal two genetic groups in European populations of the carrot cyst nematode Heterodera carotae. Infection, Genetics and Evolution, 2019, 73, 81-92.	2.3	8
12	Exploring the causes of small effective population sizes in cyst nematodes using artificialGlobodera pallidapopulations. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182359.	2.6	11
13	Phenotypic and Genomic Modifications Associated with Globodera pallida Adaptation to Potato Resistances. Potato Research, 2018, 61, 65-71.	2.7	4
14	Populations of the Beet Cyst Nematode Heterodera schachtii Exhibit Strong Differences in Their Life-History Traits Across Changing Thermal Conditions. Frontiers in Microbiology, 2018, 9, 2801.	3.5	4
15	Impact of native plantâ€parasitic nematode communities on the establishment of Meloidogyne chitwoodi. Plant Pathology, 2018, 67, 2019-2027.	2.4	2
16	Impact of agricultural practices and environmental variables on plant-parasitic nematode communities in fields at a landscapeÂscale. Nematology, 2018, 20, 211-233.	0.6	3
17	Genome scans on experimentally evolved populations reveal candidate regions for adaptation to plant resistance in the potato cyst nematode Globodera pallida. Molecular Ecology, 2017, 26, 4700-4711.	3.9	20
18	Experimentally evolved populations of the potato cyst nematode Globodera pallida allow the targeting of genomic footprints of selection due to host adaptation. Plant Pathology, 2017, 66, 1022-1030.	2.4	11

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19	Development and validation of real-time PCR assays based onÂnovel molecular markers for the simultaneous detection andÂidentification of Globodera pallida, G. rostochiensis andÂHeterodera schachtii. Nematology, 2017, 19, 789-804.	0.6	16
20	The genome of the yellow potato cyst nematode, Globodera rostochiensis, reveals insights into the basis of parasitism and virulence. Genome Biology, 2016, 17, 124.	8.8	156
21	Occurrence of the tobacco cyst nematode subspecies Globodera tabacum subsp. virginiae in France. European Journal of Plant Pathology, 2016, 144, 199-203.	1.7	3
22	Heterozygote deficits in cyst plantâ€parasitic nematodes: possible causes and consequences. Molecular Ecology, 2015, 24, 1654-1677.	3.9	23
23	Human influence on the dispersal and genetic structure of French Globodera tabacum populations. Infection, Genetics and Evolution, 2014, 27, 309-317.	2.3	23
24	Sequence polymorphism of nematode effectors highlights molecular differences among the subspecies of the tobacco cyst nematode complex. Physiological and Molecular Plant Pathology, 2013, 84, 107-114.	2.5	14
25	Evolution and variability of Solanum RanGAP2, a cofactor in the incompatible interaction between the resistance protein GPA2 and the Globodera pallida effector Gp-RBP-1. BMC Evolutionary Biology, 2013, 13, 87.	3.2	6
26	Genetic diversity of the golden potato cyst nematode Globodera rostochiensis and determination of the origin of populations in Quebec, Canada. Molecular Phylogenetics and Evolution, 2013, 69, 75-82.	2.7	51
27	An evaluation of the implications of virulence in non-European populations of Globodera pallida and G. rostochiensis for potato cultivation in Europe. Nematology, 2012, 14, 1-13.	0.6	61
28	The evolution of the Gpâ€Rbpâ€1 gene in Globodera pallida includes multiple selective replacements. Molecular Plant Pathology, 2012, 13, 546-555.	4.2	19
29	Other Nematode Effectors and Evolutionary Constraints. , 2011, , 287-307.		8
30	Molecular Variability and Evolution of the Pectate Lyase (pel-2) Parasitism Gene in Cyst Nematodes Parasitizing Different Solanaceous Plants. Journal of Molecular Evolution, 2011, 72, 169-181.	1.8	12
31	A cyst nematode 'species factory' called the Andes. Nematology, 2010, 12, 163-169.	0.6	50
32	The Cyst Nematode SPRYSEC Protein RBP-1 Elicits Gpa2- and RanGAP2-Dependent Plant Cell Death. PLoS Pathogens, 2009, 5, e1000564.	4.7	182
33	Identification and functional characterization of effectors in expressed sequence tags from various life cycle stages of the potato cyst nematode Globodera pallida. Molecular Plant Pathology, 2009, 10, 815-828.	4.2	96
34	Genome sequence of the metazoan plant-parasitic nematode Meloidogyne incognita. Nature Biotechnology, 2008, 26, 909-915.	17.5	1,012
35	Origin and genetic diversity of Western European populations of the potato cyst nematode (Globodera pallida) inferred from mitochondrial sequences and microsatellite loci. Molecular Ecology, 2008, 17, 2208-2218.	3.9	102
36	La lutte contre les nÃ©matodes Ã kyste de la pomme de terre GloboderaÂrostochiensis et GloboderaÂpallida. Cahiers Agricultures, 2008, 17, 368-374.	0.9	2

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37	Sequence Polymorphism of 2 Pioneer Genes Expressed in Phytoparasitic Nematodes Showing Different Host Ranges. Journal of Heredity, 2007, 98, 611-619.	2.4	5
38	Identification of plant genes regulated in resistant potato Solanum sparsipilum during the early stages of infection by Globodera pallida. Genome, 2007, 50, 422-427.	2.0	9
39	Host status and reaction of Medicago truncatula accessions to infection by three major pathogens of pea (Pisum sativum) and alfalfa (Medicago sativa). European Journal of Plant Pathology, 2006, 117, 57-69.	1.7	48
40	Ranbpm homologue genes characterised in the cyst nematodes Globodera pallida and Globodera â€˜mexicanaâ€™. Physiological and Molecular Plant Pathology, 2005, 67, 15-22.	2.5	29
41	DNA polymorphism in the stem nematode Ditylenchus dipsaci: development of diagnostic markers for normal and giant races. Genome, 2003, 46, 1077-1083.	2.0	34
42	Identification of gene expression differences between Globodera pallida and G. â€˜mexicana â€™ by suppression subtractive hybridization. Molecular Plant Pathology, 2002, 3, 217-226.	4.2	13
43	Intra-species DNA polymorphism in the tobacco cyst Â– nematode complex (Globodera tabacum) using AFLP. Genome, 2001, 44, 941-946.	2.0	21
44	Molecular approaches to the taxonomic position of Peruvian potato cyst nematodes and gene pool similarities in indigenous and imported populations of Globodera. Heredity, 2001, 86, 277-290.	2.6	30
45	Intra-species DNA polymorphism in the tobacco cyst â€“ nematode complex (Globodera) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	7
46	A Mariner-Like Transposable Element in the Insect Parasite Nematode Heterorhabditis bacteriophora. Journal of Molecular Evolution, 1999, 48, 328-336.	1.8	16
47	A species-specific satellite DNA from the entomopathogenic nematode Heterorhabditis indicus. Genome, 1998, 41, 148-153.	2.0	9
48	A species-specific satellite DNA from the entomopathogenic nematode Heterorhabditis indicus. Genome, 1998, 41, 148-153.	2.0	1
49	Genome sizes of the entomopathogenic nematodes Steinernema carpocapsae and Heterorhabditis bacteriophora (Nematoda: Rhabditida). Parasitology, 1997, 114, 497-501.	1.5	10
50	Satellite DNA sequences as taxonomic markers in nematodes of agronomic interest. Parasitology Today, 1997, 13, 398-401.	3.0	31
51	Use of species-specific satellite DNAs as diagnostic probes in the identification of Steinernematidae and Heterorhabditidae entomopathogenic nematodes. Parasitology, 1996, 113, 483-489.	1.5	35
52	Molecular characterization of two species-specific tandemly repeated DNAs from entomopathogenic nematodes Steinernema and Heterorhabditis (Nematoda: Rhabditida). Molecular and Biochemical Parasitology, 1996, 83, 47-56.	1.1	19
53	Characterization of a species-specific satellite DNA from the entomopathogenic nematode Steinernema carpocapsae. Molecular and Biochemical Parasitology, 1995, 69, 93-100.	1.1	10