

# Johannes Helder

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

4,736  
citations

201674

27  
h-index

315739

38  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Top 10 plant-parasitic nematodes in molecular plant pathology. <i>Molecular Plant Pathology</i> , 2013, 14, 946-961.	4.2	1,454
2	Phylum-Wide Analysis of SSU rDNA Reveals Deep Phylogenetic Relationships among Nematodes and Accelerated Evolution toward Crown Clades. <i>Molecular Biology and Evolution</i> , 2006, 23, 1792-1800.	8.9	867
3	A phylogenetic tree of nematodes based on about 1200 full-length small subunit ribosomal DNA sequences. <i>Nematology</i> , 2009, 11, 927-950.	0.6	442
4	Both Induction and Morphogenesis of Cyst Nematode Feeding Cells Are Mediated by Auxin. <i>Molecular Plant-Microbe Interactions</i> , 2000, 13, 1121-1129.	2.6	182
5	A nematode expansin acting on plants. <i>Nature</i> , 2004, 427, 30-30.	27.8	180
6	Degradation of plant cell walls by a nematode. <i>Nature</i> , 2000, 406, 36-37.	27.8	167
7	Genomic organization of four $\beta$ -1,4-endoglucanase genes in plant-parasitic cyst nematodes and its evolutionary implications. <i>Gene</i> , 1998, 220, 61-70.	2.2	128
8	A ribosomal DNA-based framework for the detection and quantification of stress-sensitive nematode families in terrestrial habitats. <i>Molecular Ecology Resources</i> , 2008, 8, 23-34.	4.8	123
9	Feeding cell development by cyst and root-knot nematodes involves a similar early, local and transient activation of a specific auxin-inducible promoter element. <i>Molecular Plant Pathology</i> , 2004, 5, 343-346.	4.2	118
10	Ecology and Evolution of Soil Nematode Chemotaxis. <i>Journal of Chemical Ecology</i> , 2012, 38, 615-628.	1.8	118
11	SSU Ribosomal DNA-Based Monitoring of Nematode Assemblages Reveals Distinct Seasonal Fluctuations within Evolutionary Heterogeneous Feeding Guilds. <i>PLoS ONE</i> , 2012, 7, e47555.	2.5	62
12	Comparison of two short DNA barcoding loci (COI and COII) and two longer ribosomal DNA genes (SSU & LSU rRNA) for specimen identification among quarantine root-knot nematodes ( <i>Meloidogyne</i> spp.) and their close relatives. <i>European Journal of Plant Pathology</i> , 2014, 140, 97-110.	1.7	57
13	Origin, distribution and 3D-modeling of Gr-EXPB1, an expansin from the potato cyst nematode <i>Globodera rostochiensis</i> . <i>FEBS Letters</i> , 2005, 579, 2451-2457.	2.8	56
14	Small subunit ribosomal DNA-based phylogeny of basal Chromadoria (Nematoda) suggests that transitions from marine to terrestrial habitats (and vice versa) require relatively simple adaptations. <i>Molecular Phylogenetics and Evolution</i> , 2008, 48, 758-763.	2.7	54
15	Conventional and organic soil management as divergent drivers of resident and active fractions of major soil food web constituents. <i>Scientific Reports</i> , 2019, 9, 13521.	3.3	54
16	Small Subunit Ribosomal DNA-Based Phylogenetic Analysis of Foliar Nematodes ( <i>Aphelenchoides</i> spp.) and Their Quantitative Detection in Complex DNA Backgrounds. <i>Phytopathology</i> , 2012, 102, 1153-1160.	2.2	51
17	Evolution of Plant Parasitism in the Phylum Nematoda. <i>Annual Review of Phytopathology</i> , 2015, 53, 289-310.	7.8	51
18	Disparate gain and loss of parasitic abilities among nematode lineages. <i>PLoS ONE</i> , 2017, 12, e0185445.	2.5	50

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19	Parallel adaptations and common host cell responses enabling feeding of obligate and facultative plant parasitic nematodes. <i>Plant Journal</i> , 2018, 93, 686-702.	5.7	50
20	Organic farming practices result in compositional shifts in nematode communities that exceed crop-related changes. <i>Applied Soil Ecology</i> , 2016, 98, 254-260.	4.3	44
21	Release of isothiocyanates does not explain the effects of biofumigation with Indian mustard cultivars on nematode assemblages. <i>Soil Biology and Biochemistry</i> , 2014, 68, 200-207.	8.8	41
22	A Worm's World: Ecological Flexibility Pays Off for Free-Living Nematodes in Sediments and Soils. <i>BioScience</i> , 2019, 69, 867-876.	4.9	41
23	Nematodes as evolutionary commuters between marine, freshwater and terrestrial habitats. <i>Biological Journal of the Linnean Society</i> , 2019, 128, 756-767.	1.6	39
24	Naturally Induced Secretions of the Potato Cyst Nematode Co-stimulate the Proliferation of Both Tobacco Leaf Protoplasts and Human Peripheral Blood Mononuclear Cells. <i>Molecular Plant-Microbe Interactions</i> , 1999, 12, 872-881.	2.6	37
25	Structural and functional characterization of a novel, host penetration-related pectate lyase from the potato cyst nematode <i>Globodera rostochiensis</i> . <i>Molecular Plant Pathology</i> , 2007, 8, 293-305.	4.2	37
26	Dynamics in the tomato root transcriptome on infection with the potato cyst nematode <i>Globodera rostochiensis</i> . <i>Molecular Plant Pathology</i> , 2009, 10, 487-500.	4.2	34
27	Feeding preference as a main determinant of microscale patchiness among terrestrial nematodes. <i>Molecular Ecology Resources</i> , 2017, 17, 1257-1270.	4.8	33
28	Expression of Two Functionally Distinct Plant Endo- $\beta$ -1,4-Glucanases Is Essential for the Compatible Interaction Between Potato Cyst Nematode and Its Hosts. <i>Molecular Plant-Microbe Interactions</i> , 2008, 21, 791-798.	2.6	25
29	Shifts in the Active Rhizobiome Paralleling Low <i>Meloidogyne chitwoodi</i> Densities in Fields Under Prolonged Organic Soil Management. <i>Frontiers in Plant Science</i> , 2019, 10, 1697.	3.6	24
30	Selective alteration of soil food web components by invasive giant goldenrod <i>Solidago gigantea</i> in two distinct habitat types. <i>Oikos</i> , 2014, 123, 837-845.	2.7	20
31	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
32	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
33	Phylogeny and Evolution of Nematodes. , 2011, , 45-59.		12
34	Distribution, DNA barcoding and genetic diversity of potato cyst nematodes in Indonesia. <i>European Journal of Plant Pathology</i> , 2020, 158, 363-380.	1.7	11
35	On the role of dauer in the adaptation of nematodes to a parasitic lifestyle. <i>Parasites and Vectors</i> , 2021, 14, 554.	2.5	11
36	Description of <i>Meloidoderita salina</i> sp. n. (Nematoda, Sphaeronematidae) from a micro-tidal salt marsh at Mont-Saint-Michel Bay in France. <i>ZooKeys</i> , 2012, 249, 1-26.	1.1	10

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37	The differential impact of a native and a non-native ragwort species (Senecioneae) on the first and second trophic level of the rhizosphere food web. <i>Oikos</i> , 2017, 126, 1790-1803.	2.7	10
38	On the balance between practical relevance and standardization - Testing the effects of zinc and pyrene on native nematode communities in soil microcosms. <i>Science of the Total Environment</i> , 2021, 788, 147742.	8.0	7
39	Characterization of the Habitat- and Season-Independent Increase in Fungal Biomass Induced by the Invasive Giant Goldenrod and Its Impact on the Fungivorous Nematode Community. <i>Microorganisms</i> , 2021, 9, 437.	3.6	3
40	Genomic Reconstruction of the Introduction and Diversification of Golden Potato Cyst Nematode Populations in Indonesia. <i>Phytopathology</i> , 2022, 112, 396-403.	2.2	0