Ralf J Sommer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7900822/publications.pdf

Version: 2024-02-01

212	8,857	38660 50	71532 76
papers	citations	h-index	g-index

232	232	232	5115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The evolution of signalling pathways in animal development. Nature Reviews Genetics, 2003, 4, 39-49.	7.7	417
2	The Pristionchus pacificus genome provides a unique perspective on nematode lifestyle and parasitism. Nature Genetics, 2008, 40, 1193-1198.	9.4	310
3	Trends, Stasis, and Drift in the Evolution of Nematode Vulva Development. Current Biology, 2007, 17, 1925-1937.	1.8	194
4	Co-option of the hormone-signalling module dafachronic acidâ€“DAF-12 in nematode evolution. Nature, 2010, 466, 494-497.	13.7	179
5	Nematodes of the genus Pristionchus are closely associated with scarab beetles and the Colorado potato beetle in Western Europe. Zoology, 2006, 109, 96-108.	0.6	167
6	A Developmental Switch Coupled to the Evolution of Plasticity Acts through a Sulfatase. Cell, 2013, 155, 922-933.	13.5	161
7	Proteogenomics of Pristionchus pacificus reveals distinct proteome structure of nematode models. Genome Research, 2010, 20, 837-846.	2.4	155
8	A Conserved Endocrine Mechanism Controls the Formation of Dauer and Infective Larvae in Nematodes. Current Biology, 2009, 19, 67-71.	1.8	149
9	System-wide Rewiring Underlies Behavioral Differences in Predatory and Bacterial-Feeding Nematodes. Cell, 2013, 152, 109-119.	13.5	133
10	The future of evoâ€“devo: model systems and evolutionary theory. Nature Reviews Genetics, 2009, 10, 416-422.	7.7	130
11	Phenotypic Plasticity: From Theory and Genetics to Current and Future Challenges. Genetics, 2020, 215, 1-13.	1.2	130
12	Pristionchus pacificus: a well-rounded nematode. BioEssays, 2006, 28, 651-659.	1.2	113
13	Gene inactivation using the CRISPR/Cas9 system in the nematode Pristionchus pacificus. Development Genes and Evolution, 2015, 225, 55-62.	0.4	109
14	Rapid diversification associated with a macroevolutionary pulse of developmental plasticity. ELife, 2015, 4, .	2.8	108
15	The Nematode Pristionchus pacificus (Nematoda: Diplogastridae) Is Associated with the Oriental Beetle Exomala orientalis (Coleoptera: Scarabaeidae) in Japan. Zoological Science, 2007, 24, 883-889.	0.3	107
16	How to become a parasite â€“ lessons from the genomes of nematodes. Trends in Genetics, 2009, 25, 203-209.	2.9	99
17	Apoptosis and change of competence limit the size of the vulva equivalence group in Pristionchus pacificus: a genetic analysis. Current Biology, 1996, 6, 52-59.	1.8	98
18	Horizontal gene transfer of microbial cellulases into nematode genomes is associated with functional assimilation and gene turnover. BMC Evolutionary Biology, 2011, 11, 13.	3.2	98

#	Article	IF	Citations
19	Changes of induction and competence during the evolution of vulva development in nematodes. Science, 1994, 265, 114-118.	6.0	97
20	The evolution of developmental mechanisms. Developmental Biology, 2003, 264, 15-37.	0.9	93
21	Isolation of naturally associated bacteria of necromenicPristionchusnematodes and fitness consequences. Journal of Experimental Biology, 2008, 211, 1927-1936.	0.8	92
22	Molecular cloning of a dominant roller mutant and establishment of DNAâ€mediated transformation in the nematode Pristionchus pacificus. Genesis, 2009, 47, 300-304.	0.8	92
23	The Homeotic Gene lin-39 and the Evolution of Nematode Epidermal Cell Fates. Science, 1997, 278, 452-455.	6.0	90
24	Complex Smallâ€Molecule Architectures Regulate Phenotypic Plasticity in a Nematode. Angewandte Chemie - International Edition, 2012, 51, 12438-12443.	7.2	88
25	Evolution of Vulva Development in the Cephalobina (Nematoda). Developmental Biology, 2000, 221, 68-86.	0.9	86
26	Large-scale diversification without genetic isolation in nematode symbionts of figs. Science Advances, 2016, 2, e1501031.	4.7	82
27	Characterization of Genetic Diversity in the Nematode Pristionchus pacificus from Population-Scale Resequencing Data. Genetics, 2014, 196, 1153-1165.	1.2	79
28	Antagonism of LIN-17/Frizzled and LIN-18/Ryk in Nematode Vulva Induction Reveals Evolutionary Alterations in Core Developmental Pathways. PLoS Biology, 2011, 9, e1001110.	2.6	78
29	Phylogeny of the nematode genus Pristionchus and implications for biodiversity, biogeography and the evolution of hermaphroditism. BMC Evolutionary Biology, 2007, 7, 104.	3.2	77
30	The nematode <scp>P</scp>ristionchus pacificus as a model system for integrative studies in evolutionary biology. Molecular Ecology, 2013, 22, 2380-2393.	2.0	77
31	Conservation of the global sex determination gene tra-1 in distantly related nematodes. Genes and Development, 2004, 18, 1198-1208.	2.7	76
32	Single-Molecule Sequencing Reveals the Chromosome-Scale Genomic Architecture of the Nematode Model Organism Pristionchus pacificus. Cell Reports, 2017, 21, 834-844.	2.9	72
33	Small peptideâ€“mediated self-recognition prevents cannibalism in predatory nematodes. Science, 2019, 364, 86-89.	6.0	72
34	Haplotype diversity of the nematode Pristionchus pacificus on RÃ©union in the Indian Ocean suggests multiple independent invasions. Biological Journal of the Linnean Society, 0, 100, 170-179.	0.7	71
35	Comparative Genetics and Genomics of Nematodes: Genome Structure, Development, and Lifestyle. Annual Review of Genetics, 2011, 45, 1-20.	3.2	71
36	Hormone Signaling and Phenotypic Plasticity in Nematode Development and Evolution. Current Biology, 2011, 21, R758-R766.	1.8	70

#	Article	IF	Citations
37	Structure and Glycolipid Binding Properties of the Nematicidal Protein Cry5B. Biochemistry, 2012, 51, 9911-9921.	1.2	68
38	Chemoattraction in Pristionchus Nematodes and Implications for Insect Recognition. Current Biology, 2006, 16, 2359-2365.	1.8	66
39	Evolution of dnmt-2 and mbd-2-like genes in the free-living nematodes Pristionchus pacificus, Caenorhabditis elegans and Caenorhabditis briggsae. Nucleic Acids Research, 2004, 32, 6388-6396.	6.5	65
40	Predatory feeding behaviour in Pristionchus nematodes is dependent on a phenotypic plasticity and induced by serotonin. Journal of Experimental Biology, 2015, 218, 1306-13.	0.8	64
41	Description of Three Pristionchus Species (Nematoda: Diplogastridae) from Japan that Form a Cryptic Species Complex with the Model Organism P. pacificus. Zoological Science, 2012, 29, 403.	0.3	63
42	Vulva formation in Pristionchus pacificus relies on continuous gonadal induction. Development Genes and Evolution, 1999, 209, 451-459.	0.4	62
43	Sex, bugs and Haldane's rule: the nematode genus Pristionchus in the United States. Frontiers in Zoology, 2006, 3, 14.	0.9	62
44	Multi locus analysis of Pristionchus pacificus on La RÃ©union Island reveals an evolutionary history shaped by multiple introductions, constrained dispersal events and rare outâ€crossing. Molecular Ecology, 2012, 21, 250-266.	2.0	61
45	Wnt Signaling Induces Vulva Development in the Nematode Pristionchus pacificus. Current Biology, 2008, 18, 142-146.	1.8	59
46	Conservation and diversification of Wnt signaling function during the evolution of nematode vulva development. Nature Genetics, 2005, 37, 300-304.	9.4	58
47	Gonadogenesis in Pristionchus pacificus and organ evolution: development, adult morphology and cellâ€“cell interactions in the hermaphrodite gonad. Developmental Biology, 2005, 277, 200-221.	0.9	58
48	A subset of naturally isolated Bacillus strains show extreme virulence to the freeâ€living nematodes Caenorhabditis elegans and Pristionchus pacificus. Environmental Microbiology, 2010, 12, 3007-3021.	1.8	58
49	Evolutionary change in the functional specificity of genes. Trends in Genetics, 1999, 15, 197-202.	2.9	57
50	Feeding plasticity in the nematode Pristionchus pacificus is influenced by sex and social context and is linked to developmental speed. Evolution & Development, 2013, 15, 161-170.	1.1	57
51	Young genes have distinct gene structure, epigenetic profiles, and transcriptional regulation. Genome Research, 2018, 28, 1675-1687.	2.4	57
52	Natural variation in Pristionchus pacificus dauer formation reveals cross-preference rather than self-preference of nematode dauer pheromones. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2784-2790.	1.2	56
53	The Nuclear Hormone Receptor NHR-40 Acts Downstream of the Sulfatase EUD-1 as Part of a Developmental Plasticity Switch in Pristionchus. Current Biology, 2016, 26, 2174-2179.	1.8	56
54	Adaptive value of a predatory mouth-form in a dimorphic nematode. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141334.	1.2	55

#	Article	IF	Citations
55	Environmental influence on Pristionchus pacificus mouth form through different culture methods. Scientific Reports, 2017, 7, 7207.	1.6	55
56	Evolution of Nematode Vulval Fate Patterning. Developmental Biology, 1996, 173, 396-407.	0.9	53
57	Deep taxon sampling reveals the evolutionary dynamics of novel gene families in Pristionchus nematodes. Genome Research, 2018, 28, 1664-1674.	2.4	53
58	A Bacterial Artificial Chromosome-Based Genetic Linkage Map of the Nematode Pristionchus pacificus. Genetics, 2002, 162, 129-134.	1.2	53
59	Evolution of neuronal anatomy and circuitry in two highly divergent nematode species. ELife, 2019, 8, .	2.8	53
60	System Wide Analysis of the Evolution of Innate Immunity in the Nematode Model Species Caenorhabditis elegans and Pristionchus pacificus. PLoS ONE, 2012, 7, e44255.	1.1	52
61	Natural variation in Pristionchus pacificus insect pheromone attraction involves the protein kinase EGL-4. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7779-7784.	3.3	51
62	A Developmental Switch Generating Phenotypic Plasticity Is Part of a Conserved Multi-gene Locus. Cell Reports, 2018, 23, 2835-2843.e4.	2.9	50
63	Evolution of Cell Lineage and Pattern Formation in the Vulval Equivalence Group of Rhabditid Nematodes. Developmental Biology, 1995, 167, 61-74.	0.9	49
64	The Orphan Gene dauerless Regulates Dauer Development and Intraspecific Competition in Nematodes by Copy Number Variation. PLoS Genetics, 2015, 11, e1005146.	1.5	49
65	Natural Variation in Dauer Pheromone Production and Sensing Supports Intraspecific Competition in Nematodes. Current Biology, 2014, 24, 1536-1541.	1.8	47
66	Chromatin remodelling and antisense-mediated up-regulation of the developmental switch gene eud-1 control predatory feeding plasticity. Nature Communications, 2016, 7, 12337.	5.8	47
67	The Pristionchus pacificus mab-5 gene is involved in the regulation of ventral epidermal cell fates. Current Biology, 1998, 8, 775-778.	1.8	45
68	Microevolutionary analysis of the nematode genus Pristionchus suggests a recent evolution of redundant developmental mechanisms during vulva formation. Evolution & Development, 2001, 3, 229-240.	1.1	45
69	Quantitative Assessment of the Nematode Fauna Present on Geotrupes Dung Beetles Reveals Species-Rich Communities with a Heterogeneous Distribution. Journal of Parasitology, 2010, 96, 525-531.	0.3	45
70	New Gene Origin and Deep Taxon Phylogenomics: Opportunities and Challenges. Trends in Genetics, 2019, 35, 914-922.	2.9	45
71	Molecular phylogeny of beetle associated diplogastrid nematodes suggests host switching rather than nematode-beetle coevolution. BMC Evolutionary Biology, 2009, 9, 212.	3.2	44
72	Conserved nuclear hormone receptors controlling a novel plastic trait target fast-evolving genes expressed in a single cell. PLoS Genetics, 2020, 16, e1008687.	1.5	44

#	Article	IF	Citations
73	Computational archaeology of the Pristionchus pacificus genome reveals evidence of horizontal gene transfers from insects. BMC Evolutionary Biology, 2011, 11, 239.	3.2	42
74	Opposing Forces of A/T-Biased Mutations and G/C-Biased Gene Conversions Shape the Genome of the Nematode Pristionchus pacificus. Genetics, 2014, 196, 1145-1152.	1.2	42
75	The genetics of phenotypic plasticity in nematode feeding structures. Open Biology, 2017, 7, 160332.	1.5	41
76	Succession and dynamics of Pristionchus nematodes and their microbiome during decomposition of Oryctes borbonicus on La RÃ©union Island. Environmental Microbiology, 2017, 19, 1476-1489.	1.8	40
77	Mutation Rates and Intraspecific Divergence of the Mitochondrial Genome of Pristionchus pacificus. Molecular Biology and Evolution, 2011, 28, 2317-2326.	3.5	39
78	Bacillus thuringiensis DB27 Produces Two Novel Protoxins, Cry21Fa1 and Cry21Ha1, Which Act Synergistically against Nematodes. Applied and Environmental Microbiology, 2014, 80, 3266-3275.	1.4	39
79	Extracellular proteostasis prevents aggregation during pathogenic attack. Nature, 2020, 584, 410-414.	13.7	39
80	Divergent gene expression in the conserved dauer stage of the nematodes Pristionchus pacificus and Caenorhabditis elegans. BMC Genomics, 2012, 13, 254.	1.2	38
81	Vegetation drives assemblages of entomopathogenic nematodes and other soil organisms: Evidence from the Algarve, Portugal. Soil Biology and Biochemistry, 2019, 128, 150-163.	4.2	38
82	Homology and the hierarchy of biological systems. BioEssays, 2008, 30, 653-658.	1.2	37
83	Evolution of development in nematodes related to C. elegans. WormBook, 2005, , 1-17.	5.3	37
84	Two independent sulfation processes regulate mouth-form plasticity in the nematodePristionchus pacificus. Development (Cambridge), 2018, 145, .	1.2	36
85	Evolution and development ? the nematode vulva as a case study. BioEssays, 1997, 19, 225-231.	1.2	35
86	Operon Structure and Trans-Splicing in the Nematode Pristionchus pacificus. Molecular Biology and Evolution, 2003, 20, 2097-2103.	3.5	35
87	Speciesâ€specific recognition of beetle cues by the nematode Pristionchus maupasi. Evolution & Development, 2008, 10, 273-279.	1.1	35
88	B.Âsubtilis GS67 Protects C.Âelegans from Gram-Positive Pathogens via Fengycin-Mediated Microbial Antagonism. Current Biology, 2014, 24, 2720-2727.	1.8	35
89	Draft Genome of the Scarab BeetleOryctes borbonicuson La RÃ©union Island. Genome Biology and Evolution, 2016, 8, 2093-2105.	1.1	35
90	Pristionchus pacificus. WormBook, 2006, , 1-8.	5.3	35

#	Article	IF	Citations
91	Evolution of nematode development. Current Opinion in Genetics and Development, 2000, 10, 443-448.	1.5	34
92	HAIRY-like Transcription Factors and the Evolution of the Nematode Vulva Equivalence Group. Current Biology, 2006, 16, 1386-1394.	1.8	34
93	Functional Conservation and Divergence ofdaf-22Paralogs inPristionchus pacificusDauer Development. Molecular Biology and Evolution, 2016, 33, 2506-2514.	3.5	34
94	Bacterial vitamin B12 production enhances nematode predatory behavior. ISME Journal, 2020, 14, 1494-1507.	4.4	34
95	Spatial Transcriptomics of Nematodes Identifies Sperm Cells as a Source of Genomic Novelty and Rapid Evolution. Molecular Biology and Evolution, 2021, 38, 229-243.	3.5	34
96	Phylotranscriptomics of Pristionchus Nematodes Reveals Parallel Gene Loss in Six Hermaphroditic Lineages. Current Biology, 2018, 28, 3123-3127.e5.	1.8	33
97	The importance of being regular: Caenorhabditis elegans and Pristionchus pacificus defecation mutants are hypersusceptible to bacterial pathogens. International Journal for Parasitology, 2012, 42, 747-753.	1.3	32
98	Evolution of Regulatory Networks: Nematode Vulva Induction as an Example of Developmental Systems Drift. Advances in Experimental Medicine and Biology, 2012, 751, 79-91.	0.8	32
99	Pristionchus pacificus daf-16 is essential for dauer formation but dispensable for mouth form dimorphism. Development (Cambridge), 2011, 138, 1281-1284.	1.2	31
100	Genomic Profiles of Diversification and Genotypeâ€“Phenotype Association in Island Nematode Lineages. Molecular Biology and Evolution, 2016, 33, 2257-2272.	3.5	31
101	Oxygen-induced social behaviours in Pristionchus pacificus have a distinct evolutionary history and genetic regulation from Caenorhabditis elegans. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152263.	1.2	31
102	Linking Genomic and Metabolomic Natural Variation Uncovers Nematode Pheromone Biosynthesis. Cell Chemical Biology, 2018, 25, 787-796.e12.	2.5	31
103	Phosphoproteome of Pristionchus pacificus Provides Insights into Architecture of Signaling Networks in Nematode Models. Molecular and Cellular Proteomics, 2012, 11, 1631-1639.	2.5	30
104	Stochastic and Conditional Regulation of Nematode Mouth-Form Dimorphisms. Frontiers in Ecology and Evolution, 2016, 4, .	1.1	30
105	As good as they get: cells in nematode vulva development and evolution. Current Opinion in Cell Biology, 2001, 13, 715-720.	2.6	29
106	Developmental systems of plasticity and trans-generational epigenetic inheritance in nematodes. Current Opinion in Genetics and Development, 2017, 45, 51-57.	1.5	29
107	Improving Transgenesis Efficiency and CRISPR-Associated Tools Through Codon Optimization and Native Intron Addition in Pristionchus Nematodes. Genetics, 2020, 216, 947-956.	1.2	29
108	A host beetle pheromone regulates development and behavior in the nematode Pristionchus pacificus. ELife, 2014, 3, .	2.8	29

#	Article	IF	Citations
109	The Role of DAF-21/Hsp90 in Mouth-Form Plasticity in Pristionchus pacificus. Molecular Biology and Evolution, 2017, 34, 1644-1653.	3.5	28
110	Expressional and functional variation of horizontally acquired cellulases in the nematode Pristionchus pacificus. Gene, 2012, 506, 274-282.	1.0	27
111	Environmental Variables Explain Genetic Structure in a Beetle-Associated Nematode. PLoS ONE, 2014, 9, e87317.	1.1	26
112	Limited microsynteny between the genomes of Pristionchus pacificus and Caenorhabditis elegans. Nucleic Acids Research, 2003, 31, 2553-2560.	6.5	25
113	Three new species ofPristionchus(Nematoda: Diplogastridae) show morphological divergence through evolutionary intermediates of a novel feeding-structure polymorphism. Zoological Journal of the Linnean Society, 2013, 168, 671-698.	1.0	25
114	New Role for DCR-1/Dicer in Caenorhabditis elegans Innate Immunity against the Highly Virulent Bacterium Bacillus thuringiensis DB27. Infection and Immunity, 2013, 81, 3942-3957.	1.0	25
115	Functional comparison of the nematode Hox gene lin-39 in C. elegans and P. pacificus reveals evolutionary conservation of protein function despite divergence of primary sequences. Genes and Development, 2001, 15, 2161-2172.	2.7	24
116	Distinct patterns of genetic variation inPristionchus pacificusandCaenorhabditis elegans, two partially selfing nematodes with cosmopolitan distribution. Molecular Ecology, 2007, 16, 1267-1280.	2.0	24
117	Two New Species ofPristionchus(Nematoda: Diplogastridae) Support the Biogeographic Importance of Japan for the Evolution of the GenusPristionchusand the Model SystemP. pacificus. Zoological Science, 2013, 30, 680-692.	0.3	24
118	Geometric morphometrics of microscopic animals as exemplified by model nematodes. Nature Protocols, 2020, 15, 2611-2644.	5.5	24
119	Life History Responses and Gene Expression Profiles of the Nematode Pristionchus pacificus Cultured on Cryptococcus Yeasts. PLoS ONE, 2016, 11, e0164881.	1.1	24
120	Isolation of mutations with dumpy-like phenotypes and of collagen genes in the nematodePristionchus pacificus. Genesis, 2004, 40, 176-183.	0.8	23
121	Host-finding behaviour in the nematodePristionchus pacificus. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3260-3269.	1.2	23
122	Genome-Wide Analysis of Germline Signaling Genes Regulating Longevity and Innate Immunity in the Nematode Pristionchus pacificus. PLoS Pathogens, 2012, 8, e1002864.	2.1	23
123	A wax ester promotes collective host finding in the nematode Pristionchus pacificus. Nature Chemical Biology, 2014, 10, 281-285.	3.9	23
124	The Same or Not the Same: Lineage-Specific Gene Expansions and Homology Relationships in Multigene Families in Nematodes. Journal of Molecular Evolution, 2015, 80, 18-36.	0.8	23
125	Serotonin Drives Predatory Feeding Behavior via Synchronous Feeding Rhythms in the Nematode Pristionchus pacificus. G3: Genes, Genomes, Genetics, 2017, 7, 3745-3755.	0.8	23
126	Adult Influence on Juvenile Phenotypes by Stage-Specific Pheromone Production. IScience, 2018, 10, 123-134.	1.9	23

#	Article	IF	Citations
127	Identification of Distinct Bacillus thuringiensis 4A4 Nematicidal Factors Using the Model Nematodes Pristionchus pacificus and Caenorhabditis elegans. Toxins, 2014, 6, 2050-2063.	1.5	22
128	Nematode biphasic â€˜boom and bustâ€™ dynamics are dependent on host bacterial load while linking dauer and mouthâ€form polyphenisms. Environmental Microbiology, 2021, 23, 5102-5113.	1.8	22
129	Parapristionchus giblindavisi n. gen., n. sp. (Rhabditida:ÂDiplogastridae) isolated from stag beetles (Coleoptera: Lucanidae) in Japan. Nematology, 2012, 14, 933-947.	0.2	21
130	Cryptic variation in vulva development by cis-regulatory evolution of a HAIRY-binding site. Nature Communications, 2013, 4, 1714.	5.8	21
131	Natural variation in chemosensation: lessons from an island nematode. Ecology and Evolution, 2013, 3, 5209-5224.	0.8	21
132	Regulation of hyperoxia-induced social behaviour in Pristionchus pacificus nematodes requires a novel cilia-mediated environmental input. Scientific Reports, 2017, 7, 17550.	1.6	21
133	Culture-based analysis of Pristionchus-associated microbiota from beetles and figs for studying nematode-bacterial interactions. PLoS ONE, 2018, 13, e0198018.	1.1	21
134	Nematode model systems in evolution and development. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 389-400.	5.9	20
135	Threeâ€dimensional reconstruction of the pharyngeal gland cells in the predatory nematode Pristionchus pacificus. Journal of Morphology, 2017, 278, 1656-1666.	0.6	20
136	Two New Species of Pristionchus (Rhabditida: Diplogastridae): P. fissidentatus n. sp. from Nepal and La RÃ©union Island and P. elegans n. sp. from Japan. Journal of Nematology, 2012, 44, 80-91.	0.4	20
137	Comparative genomics and community curation further improve gene annotations in the nematode Pristionchus pacificus. BMC Genomics, 2020, 21, 708.	1.2	19
138	Evolution of robustness in the signaling network of Pristionchus vulva development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10086-10091.	3.3	18
139	Toward a Synthesis of Developmental Biology with Evolutionary Theory and Ecology. Annual Review of Cell and Developmental Biology, 2015, 31, 453-471.	4.0	18
140	Single worm transcriptomics identifies a developmental core network of oscillating genes with deep conservation across nematodes. Genome Research, 2021, 31, 1590-1601.	2.4	18
141	Comparative genetics: A third model nematode species. Current Biology, 2000, 10, R879-R881.	1.8	16
142	Unraveling the evolutionary history of the nematodePristionchus pacificus: from lineage diversification to island colonization. Ecology and Evolution, 2013, 3, 667-675.	0.8	15
143	Sex or cannibalism: Polyphenism and kin recognition control social action strategies in nematodes. Science Advances, 2021, 7, .	4.7	15
144	Pristionchus bucculentus n. sp. (Rhabditida: Diplogastridae) Isolated from a Shining Mushroom Beetle (Coleoptera: Scaphidiidae) in Hokkaido, Japan. Journal of Nematology, 2013, 45, 78-86.	0.4	15

#	Article	IF	Citations
145	Two androdioecious and one dioecious new species of pristionchus (nematoda: diplogastridae): new reference points for the evolution of reproductive mode. Journal of Nematology, 2013, 45, 172-94.	0.4	15
146	Two new and two recharacterized species from a radiation of pristionchus (nematoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (dip	0.4	15
147	Mating System Transitions Drive Life Span Evolution inPristionchusNematodes. American Naturalist, 2016, 187, 517-531.	1.0	14
148	Nematode Interactions on Beetle Hosts Indicate a Role of Mouth-Form Plasticity in Resource Competition. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	14
149	Functional diversification of the nematode mbd2/3 gene between Pristionchus pacificus and Caenorhabditis elegans. BMC Genetics, 2007, 8, 57.	2.7	13
150	Nematode Signaling Molecules Derived from Multimodular Assembly of Primary Metabolic Building Blocks. Organic Letters, 2015, 17, 1648-1651.	2.4	13
151	Developmental Plasticity and Robustness of a Nematode Mouth-Form Polyphenism. Frontiers in Genetics, 2018, 9, 382.	1.1	13
152	sem-4/spalt and egl-17/FGF have a conserved role in sex myoblast specification and migration in P. pacificus and C. elegans. Developmental Biology, 2006, 293, 142-153.	0.9	12
153	Genome-wide analysis oftrans-splicing in the nematodePristionchus pacificusunravels conserved gene functions for germline and dauer development in divergent operons. Rna, 2014, 20, 1386-1397.	1.6	12
154	Cilia drive developmental plasticity and are essential for efficient prey detection in predatory nematodes. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191089.	1.2	12
155	Nine new Pristionchus (Nematoda: Diplogastridae) species from China. Zootaxa, 2021, 4943, zootaxa.4943.1.1.	0.2	12
156	Thepax-3gene is involved in vulva formation inPristionchus pacificusand is a target of the Hox genelin-39. Development (Cambridge), 2007, 134, 3111-3119.	1.2	11
157	Tandem-Repeat Patterns and Mutation Rates in Microsatellites of the Nematode Model Organism Pristionchus pacificus. G3: Genes, Genomes, Genetics, 2012, 2, 1027-1034.	0.8	11
158	Landscape and oceanic barriers shape dispersal and population structure in the island nematodePristionchus pacificus. Biological Journal of the Linnean Society, 2014, 112, 1-15.	0.7	11
159	DAFâ€19/RFX controls ciliogenesis and influences oxygenâ€induced social behaviors in Pristionchus pacificus. Evolution & Development, 2018, 20, 233-243.	1.1	11
160	The oscillating Mucin-type protein DPY-6 has a conserved role in nematode mouth and cuticle formation. Genetics, 2022, 220, .	1.2	11
161	Cultivation of the RhabditidPoikilolaimus oxycercus as a laboratory Nematode for genetic analyses. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 742-760.	1.3	10
162	Wnt signaling in Pristionchus pacificus gonadal arm extension and the evolution of organ shape. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10826-10831.	3.3	10

#	Article	IF	Citations
163	Natural variation in cold tolerance in the nematode Pristionchus pacificus: the role of genotype and environment. Biology Open, 2014, 3, 832-838.	0.6	10
164	Formation of the egg-laying system inPristionchus pacificusrequires complex interactions between gonadal, mesodermal and epidermal tissues and does not rely on single cell inductions. Development (Cambridge), 2001, 128, 3395-3404.	1.2	10
165	Two New Species of Pristionchus (Nematoda: Diplogastridae) from Taiwan and the Definition of the pacificus Species-Complex Sensu Stricto. Journal of Nematology, 2018, 50, 355-368.	0.4	10
166	Convergent evolution of small molecule pheromones in Pristionchus nematodes. ELife, 2020, 9, .	2.8	10
167	Horizontally Acquired Cellulases Assist the Expansion of Dietary Range inPristionchusNematodes. Molecular Biology and Evolution, 2022, 39, .	3.5	10
168	Draft Genome Sequence of Highly Nematicidal Bacillus thuringiensis DB27. Genome Announcements, 2014, 2, .	0.8	9
169	Influence of environmental temperature on mouthâ€form plasticity in Pristionchus pacificus acts through dafâ€11â€dependent cGMP signaling. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2023, 340, 214-224.	0.6	9
170	Pristionchus.org: a genome-centric database of the nematode satellite species Pristionchus pacificus. Nucleic Acids Research, 2007, 35, D498-D502.	6.5	8
171	Sudhausia aristotokia n. gen., n. sp. and S. crassa n. gen., n. sp. (Nematoda: Diplogastridae): viviparous new species with precocious gonad development. Nematology, 2013, 15, 1001-1020.	0.2	8
172	Levipalatum texanum n. gen., n. sp. (Nematoda: Diplogastridae), an androdioecious species from the south-eastern USA. Nematology, 2014, 16, 695-709.	0.2	8
173	Assaying Predatory Feeding Behaviors in Pristionchus and Other Nematodes. Journal of Visualized Experiments, 2016, , .	0.2	8
174	Samplings of Millipedes in Japan and Scarab Beetles in Hong Kong result in five new Species of Pristionchus (Nematoda: Diplogastridae). Journal of Nematology, 2018, 50, 587-610.	0.4	8
175	Synergistic interaction of gut microbiota enhances the growth of nematode through neuroendocrine signaling. Current Biology, 2022, 32, 2037-2050.e4.	1.8	8
176	Random expression goes binary. Nature, 2010, 463, 891-892.	13.7	7
177	Pristionchus uniformis, should I stay or should I go? Recent host range expansion in a European nematode. Ecology and Evolution, 2011, 1, 468-478.	0.8	7
178	Pristionchus Scratchpadsâ€”an online platform for taxonomy, systematics and phylogeny. Zootaxa, 2015, 3949, 597.	0.2	7
179	Two new Species of Pristionchus (Nematoda: Diplogastridae) include the Gonochoristic Sister Species of P. fissidentatus. Journal of Nematology, 2019, 51, 1-14.	0.4	7
180	Leptojacobus dorci n. gen., n. sp. (Nematoda: Diplogastridae), an Associate of Dorcus Stag Beetles (Coleoptera: Lucanidae). Journal of Nematology, 2014, 46, 50-9.	0.4	7

#	Article	IF	Citations
181	Finally, Worm Polycomb-like Genes Meet Hox Regulation. Developmental Cell, 2003, 4, 770-772.	3.1	6
182	A locus in Pristionchus pacificus that is responsible for the ability to give rise to fertile offspring at higher temperatures. Biology Open, 2016, 5, 1111-1117.	0.6	6
183	A cilia-mediated environmental input induces solitary behaviour in Caenorhabditis elegans and Pristionchus pacificus nematodes. Nematology, 2018, 20, 201-209.	0.2	6
184	Convergence and the interplay of evolution and development. Evolution & Development, 1999, 1, 8-10.	1.1	5
185	AppaDB: an AcedB database for the nematode satellite organism Pristionchus pacificus. Nucleic Acids Research, 2004, 32, 421D-422.	6.5	5
186	Genetic evidence for paxâ€3 function in myogenesis in the nematode Pristionchus pacificus. Evolution & Development, 2009, 11, 669-679.	1.1	5
187	The Evolution of Novelty in Conserved Gene Families. International Journal of Evolutionary Biology, 2012, 2012, 1-8.	1.0	5
188	Nematode orphan genes are adopted by conserved regulatory networks and find a home in ecology. Worm, 2015, 4, e1082029.	1.0	5
189	Unexpected sexâ€specific postâ€reproductive lifespan in the freeâ€living nematode Pristionchus exspectatus. Evolution & Development, 2016, 18, 297-307.	1.1	5
190	The Role of Sulfation in Nematode Development and Phenotypic Plasticity. Frontiers in Molecular Biosciences, 2022, 9, 838148.	1.6	5
191	Pristionchus pacificus: A Genetic Model System for the Study of Evolutionary Developmental Biology and the Evolution of Complex Life-History Traits. Cold Spring Harbor Protocols, 2008, 2008, pdb.emo102-pdb.emo102.	0.2	4
192	2. Reproduction and development in Nematodes. , 2013, , 61-108.		4
193	Nematoda. , 2015, , 15-33.		4
194	Variation in rates of spontaneous male production within the nematode species Pristionchus pacificus supports an adaptive role for males and outcrossing. BMC Evolutionary Biology, 2017, 17, 57.	3.2	4
195	Assessment of the Olfactory Response to Chemicals or Bacteria in Pristionchus Nematodes. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5064.	0.2	2
196	Isolation of Pristionchus Nematodes from Beetles. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5063.	0.2	2
197	An antibody staining protocol variation for nematodes that adds heat-induced antigen retrieval (HIAR). MicroPublication Biology, 2019, 2019, .	0.1	2
198	Beyond Darwin â€“ towards an inclusive evolutionary synthesis. Development (Cambridge), 2004, 131, 5769-5770.	1.2	1

#	Article	IF	Citations
199	Evolution and development: towards a synthesis of macro- and micro-evolution with ecology. , 0, , 160-174.		1
200	Vitamin B12 and predatory behavior in nematodes. Vitamins and Hormones, 2022, 119, 471-489.	0.7	1
201	The art of mechanistic modeling in biology. Nature Computational Science, 2022, 2, 72-73.	3.8	1
202	Adaptation to environmental temperature in divergent clades of the nematode Pristionchus pacificus. Evolution; International Journal of Organic Evolution, 0, , .	1.1	1
203	From evolutionary developmental biology to genomics: towards a genome map of the free-living nematode Pristionchus pacificus. International Congress Series, 2002, 1246, 101-110.	0.2	0
204	Cells and genes as networks in nematode development and evolution. , 2004, , 131-144.		0
205	Perspective: The role of next generation sequencing for integrative approaches in evolutionary biology. , 0, , 229-236.		0
206	Mechanism of murderous mushrooms paves path for parasitic helminth halt. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6974-6975.	3.3	0
207	Zum WissenschaftsverstÃndnis der modernen Evolutionsbiologie. , 2010, , 91-98.		0
208	Two New Species (Nematoda: Diplogastridae) from Taiwan are Part of a Species-cluster Representing the Closest Known Relatives of the Model Organism. Zoological Studies, 2016, 55, e48.	0.3	0
209	Title is missing!. , 2020, 16, e1008687.		0
210	Title is missing!. , 2020, 16, e1008687.		0
211	Title is missing!. , 2020, 16, e1008687.		0
212	Title is missing!. , 2020, 16, e1008687.		0