

Paul W Sternberg

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

326 papers	20,615 citations	81 h-index	132 g-index
369 ext. papers	24,610 ext. citations	11.7 avg, IF	6.78 L-index

#	Paper	IF	Citations
326	WormBase in 2022-data, processes, and tools for analyzing <i>Caenorhabditis elegans</i> .. <i>Genetics</i> , 2022 ,	4	4
325	Nematode ascarosides attenuate mammalian type 2 inflammatory responses.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	2
324	Possible stochastic sex determination in <i>Bursaphelenchus</i> nematodes.. <i>Nature Communications</i> , 2022 , 13, 2574	17.4	1
323	Transcriptional Response to a Dauer-Inducing Ascaroside Cocktail in Late L1 in. <i>MicroPublication Biology</i> , 2021 , 2021,	0.8	1
322	The Gene Ontology resource: enriching a Gold mine. <i>Nucleic Acids Research</i> , 2021 , 49, D325-D334	20.1	494
321	CYK-1/Formin activation in cortical RhoA signaling centers promotes organismal left-right symmetry breaking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
320	Wormicloud: a new text summarization tool based on word clouds to explore the <i>C. elegans</i> literature. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	3
319	Combinatorial Assembly of Modular Glucosides via Carboxylesterases Regulates Starvation Survival. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14676-14683	16.4	0
318	Predicting gene essentiality in by feature engineering and machine-learning. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 1093-1102	6.8	6
317	RNA Pol II Length and Disorder Enable Cooperative Scaling of Transcriptional Bursting. <i>Molecular Cell</i> , 2020 , 79, 207-220.e8	17.6	13
316	Text mining meets community curation: a newly designed curation platform to improve author experience and participation at WormBase. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	8
315	Release and targeting of polycystin-2-carrying ciliary extracellular vesicles. <i>Current Biology</i> , 2020 , 30, R755-R756	6.3	9
314	Elucidating the molecular and developmental biology of parasitic nematodes: Moving to a multiomics paradigm. <i>Advances in Parasitology</i> , 2020 , 108, 175-229	3.2	12
313	WormBase: a modern Model Organism Information Resource. <i>Nucleic Acids Research</i> , 2020 , 48, D762-D767.	107.1	107
312	Telomere-to-Telomere Genome Assembly of <i>Bursaphelenchus okinawaensis</i> Strain SH1. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	2
311	Vennter - An interactive analysis tool for WormBase interaction data using Venn diagrams. <i>MicroPublication Biology</i> , 2020 , 2020,	0.8	2
310	PIEZO channel coordinates multiple reproductive tissues to govern ovulation. <i>ELife</i> , 2020 , 9,	8.9	6

309	Modular metabolite assembly in depends on carboxylesterases and formation of lysosome-related organelles. <i>ELife</i> , 2020 , 9,	8.9	6
308	AF4/FMR2 Family Homolog Regulates Heat-Shock-Induced Gene Expression. <i>Genetics</i> , 2020 , 215, 1039-1054	10.54	1
307	Automated generation of gene summaries at the Alliance of Genome Resources. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	4
306	Signaling by AWC Olfactory Neurons Is Necessary for RResponse to Prenol, an Odor Associated with Nematode-Infected Insects. <i>Genetics</i> , 2020 , 216, 145-157	4	1
305	Autonomous adaptive data acquisition for scanning hyperspectral imaging. <i>Communications Biology</i> , 2020 , 3, 684	6.7	3
304	Alliance of Genome Resources Portal: unified model organism research platform. <i>Nucleic Acids Research</i> , 2020 , 48, D650-D658	20.1	71
303	Newly Identified Nematodes from Mono Lake Exhibit Extreme Arsenic Resistance. <i>Current Biology</i> , 2019 , 29, 3339-3344.e4	6.3	12
302	Comparative Epigenomics Reveals that RNA Polymerase II Pausing and Chromatin Domain Organization Control Nematode piRNA Biogenesis. <i>Developmental Cell</i> , 2019 , 48, 793-810.e6	10.2	16
301	Ablating the fixed lineage conjecture: Commentary on Kimble 1981. <i>Developmental Biology</i> , 2019 , 446, 1-16	3.1	0
300	Genetic markers enable the verification and manipulation of the dauer entry decision. <i>Developmental Biology</i> , 2019 , 454, 170-180	3.1	6
299	Autism-associated missense genetic variants impact locomotion and neurodevelopment in <i>Caenorhabditis elegans</i> . <i>Human Molecular Genetics</i> , 2019 , 28, 2271-2281	5.6	13
298	Opening up a large can of worms. <i>Nature Genetics</i> , 2019 , 51, 10-11	36.3	
297	A Toolkit of Engineered Recombinational Balancers in <i>C. elegans</i> . <i>Trends in Genetics</i> , 2018 , 34, 253-255	8.5	1
296	Metabolomic "Dark Matter" Dependent on Peroxisomal β Oxidation in <i>Caenorhabditis elegans</i> . <i>Journal of the American Chemical Society</i> , 2018 , 140, 2841-2852	16.4	37
295	Split cGAL, an intersectional strategy using a split intein for refined spatiotemporal transgene control in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3900-3905	11.5	13
294	Reconstructing a metazoan genetic pathway with transcriptome-wide epistasis measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2930-E2939	11.5	10
293	WormBase 2017: molting into a new stage. <i>Nucleic Acids Research</i> , 2018 , 46, D869-D874	20.1	138
292	Using Transcriptomes as Mutant Phenotypes Reveals Functional Regions of a Mediator Subunit in. <i>Genetics</i> , 2018 , 210, 15-24	4	4

291	Biology and genome of a newly discovered sibling species of <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2018 , 9, 3216	17.4	44
290	An Efficient Genome Editing Strategy To Generate Putative Null Mutants in Using CRISPR/Cas9. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 3607-3616	3.2	17
289	Micropublication: incentivizing community curation and placing unpublished data into the public domain. <i>Database: the Journal of Biological Databases and Curation</i> , 2018 , 2018,	5	8
288	Improved Synthesis for Modular Ascarosides Uncovers Biological Activity. <i>Organic Letters</i> , 2017 , 19, 2837-2840	2.4	21
287	Whipworm kinomes reflect a unique biology and adaptation to the host animal. <i>International Journal for Parasitology</i> , 2017 , 47, 857-866	4.3	9
286	Biosynthesis of Modular Ascarosides in <i>C. elegans</i> . <i>Angewandte Chemie</i> , 2017 , 129, 4807-4811	3.6	1
285	Biosynthesis of Modular Ascarosides in <i>C. elegans</i> . <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4729-4733	16.4	25
284	cGAL, a temperature-robust GAL4-UAS system for <i>Caenorhabditis elegans</i> . <i>Nature Methods</i> , 2017 , 14, 145-148	21.6	30
283	Genome-wide discovery of active regulatory elements and transcription factor footprints in using DNase-seq. <i>Genome Research</i> , 2017 , 27, 2108-2119	9.7	11
282	Automated Analysis of a Nematode Population-based Chemosensory Preference Assay. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
281	The Jellyfish <i>Cassiopea</i> Exhibits a Sleep-like State. <i>Current Biology</i> , 2017 , 27, 2984-2990.e3	6.3	105
280	The Female-Like State: Decoupling the Transcriptomic Effects of Aging and Sperm Status. <i>G3: Genes, Genomes, Genetics</i> , 2017 , 7, 2969-2977	3.2	10
279	Non-neuronal cell outgrowth in. <i>Worm</i> , 2017 , 6, e1405212		1
278	FMRamide-like peptides expand the behavioral repertoire of a densely connected nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10726-E10735	11.5	26
277	Deguelin exerts potent nematocidal activity the mitochondrial respiratory chain. <i>FASEB Journal</i> , 2017 , 31, 4515-4532	0.9	14
276	Nematophagous fungus mimics olfactory cues of sex and food to lure its nematode prey. <i>ELife</i> , 2017 , 6,	8.9	46
275	<i>C. elegans</i> Stress-Induced Sleep Emerges from the Collective Action of Multiple Neuropeptides. <i>Current Biology</i> , 2016 , 26, 2446-2455	6.3	56
274	Tissue enrichment analysis for <i>C. elegans</i> genomics. <i>BMC Bioinformatics</i> , 2016 , 17, 366	3.6	70

273	Anchor cell signaling and vulval precursor cell positioning establish a reproducible spatial context during <i>C. elegans</i> vulval induction. <i>Developmental Biology</i> , 2016 , 416, 123-135	3.1	10
272	Reconstruction of the insulin-like signalling pathway of <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2016 , 9, 64	4	11
271	Contrasting responses within a single neuron class enable sex-specific attraction in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E1392-401	11.5	37
270	WormBase 2016: expanding to enable helminth genomic research. <i>Nucleic Acids Research</i> , 2016 , 44, D774-80	1.80	217
269	Phylogenomic and biogeographic reconstruction of the <i>Trichinella</i> complex. <i>Nature Communications</i> , 2016 , 7, 10513	17.4	81
268	Muscle Logic: New Knowledge Resource for Anatomy Enables Comprehensive Searches of the Literature on the Feeding Muscles of Mammals. <i>PLoS ONE</i> , 2016 , 11, e0149102	3.7	4
267	Enhancer Sharing Promotes Neighborhoods of Transcriptional Regulation Across Eukaryotes. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 4167-4174	3.2	20
266	<i>Dictyocaulus viviparus</i> genome, variome and transcriptome elucidate lungworm biology and support future intervention. <i>Scientific Reports</i> , 2016 , 6, 20316	4.9	17
265	Analyses of Compact <i>Trichinella</i> Kinomes Reveal a MOS-Like Protein Kinase with a Unique N-Terminal Domain. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2847-56	3.2	5
264	CAP protein superfamily members in <i>Toxocara canis</i> . <i>Parasites and Vectors</i> , 2016 , 9, 360	4	5
263	Mating pheromones of Nematoda: olfactory signaling with physiological consequences. <i>Current Opinion in Neurobiology</i> , 2016 , 38, 119-24	7.6	10
262	Mapping a multiplexed zoo of mRNA expression. <i>Development (Cambridge)</i> , 2016 , 143, 3632-3637	6.6	95
261	The tubulin repertoire of <i>C. elegans</i> sensory neurons and its context-dependent role in process outgrowth. <i>Molecular Biology of the Cell</i> , 2016 ,	3.5	31
260	Hierarchical sparse coding in the sensory system of <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1185-9	11.5	61
259	The genome and transcriptome of the zoonotic hookworm <i>Ancylostoma ceylanicum</i> identify infection-specific gene families. <i>Nature Genetics</i> , 2015 , 47, 416-22	36.3	68
258	Genetic blueprint of the zoonotic pathogen <i>Toxocara canis</i> . <i>Nature Communications</i> , 2015 , 6, 6145	17.4	77
257	The barber's pole worm CAP protein superfamily--A basis for fundamental discovery and biotechnology advances. <i>Biotechnology Advances</i> , 2015 , 33, 1744-54	17.8	12
256	Conserved nematode signalling molecules elicit plant defenses and pathogen resistance. <i>Nature Communications</i> , 2015 , 6, 7795	17.4	140

255	Cracking the nodule worm code advances knowledge of parasite biology and biotechnology to tackle major diseases of livestock. <i>Biotechnology Advances</i> , 2015 , 33, 980-91	17.8	18
254	Genetically Encoded Spy Peptide Fusion System to Detect Plasma Membrane-Localized Proteins InVivo. <i>Chemistry and Biology</i> , 2015 , 22, 1108-21		45
253	Morphologically defined sub-stages of <i>C. elegans</i> vulval development in the fourth larval stage. <i>BMC Developmental Biology</i> , 2015 , 15, 26	3.1	46
252	Defining the <i>Schistosoma haematobium</i> kinome enables the prediction of essential kinases as anti-schistosome drug targets. <i>Scientific Reports</i> , 2015 , 5, 17759	4.9	32
251	The <i>Haemonchus contortus</i> kinome--a resource for fundamental molecular investigations and drug discovery. <i>Parasites and Vectors</i> , 2015 , 8, 623	4	12
250	Comparative genomics of <i>Steinernema</i> reveals deeply conserved gene regulatory networks. <i>Genome Biology</i> , 2015 , 16, 200	18.3	53
249	Cell-specific proteomic analysis in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2705-10	11.5	68
248	Sex Attraction and Mating in <i>Bursaphelenchus okinawaensis</i> and <i>B. xylophilus</i> . <i>Journal of Nematology</i> , 2015 , 47, 176-83	1.1	6
247	Flatworms have lost the right open reading frame kinase 3 gene during evolution. <i>Scientific Reports</i> , 2015 , 5, 9417	4.9	6
246	Genome of the human hookworm <i>Necator americanus</i> . <i>Nature Genetics</i> , 2014 , 46, 261-269	36.3	139
245	Analysis of the transcriptome of adult <i>Dictyocaulus filaria</i> and comparison with <i>Dictyocaulus viviparus</i> , with a focus on molecules involved in host-parasite interactions. <i>International Journal for Parasitology</i> , 2014 , 44, 251-61	4.3	4
244	Probing the equatorial groove of the hookworm protein and vaccine candidate antigen, Na-ASP-2. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 50, 146-55	5.6	16
243	Multilevel modulation of a sensory motor circuit during <i>C. elegans</i> sleep and arousal. <i>Cell</i> , 2014 , 156, 249-60	56.2	62
242	A modified mole cricket lure and description of <i>Scapteriscus borellii</i> (Orthoptera: Gryllotalpidae) range expansion and calling song in California. <i>Environmental Entomology</i> , 2014 , 43, 146-56	2.1	10
241	Spatial and molecular cues for cell outgrowth during <i>C. elegans</i> uterine development. <i>Developmental Biology</i> , 2014 , 396, 121-35	3.1	13
240	Controlled sumoylation of the mevalonate pathway enzyme HMGS-1 regulates metabolism during aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E3880-9	11.5	33
239	Archaeorhodopsin variants with enhanced voltage-sensitive fluorescence in mammalian and <i>Caenorhabditis elegans</i> neurons. <i>Nature Communications</i> , 2014 , 5, 4894	17.4	101
238	Genome and transcriptome of the porcine whipworm <i>Trichuris suis</i> . <i>Nature Genetics</i> , 2014 , 46, 701-6	36.3	77

237	Mitochondrial genomes of <i>Trichinella</i> species and genotypes as a basis for diagnosis, and systematic and epidemiological explorations. <i>International Journal for Parasitology</i> , 2014 , 44, 1073-80	4.3	34
236	Comparative validation of the <i>D. melanogaster</i> modENCODE transcriptome annotation. <i>Genome Research</i> , 2014 , 24, 1209-23	9.7	95
235	Structural and functional characterization of the β -tubulin acetyltransferase MEC-17. <i>Journal of Molecular Biology</i> , 2014 , 426, 2605-16	6.5	19
234	Microsporidia-nematode associations in methane seeps reveal basal fungal parasitism in the deep sea. <i>Frontiers in Microbiology</i> , 2014 , 5, 43	5.7	27
233	Bioinformatic exploration of RIO protein kinases of parasitic and free-living nematodes. <i>International Journal for Parasitology</i> , 2014 , 44, 827-36	4.3	10
232	The <i>Opisthorchis viverrini</i> genome provides insights into life in the bile duct. <i>Nature Communications</i> , 2014 , 5, 4378	17.4	113
231	Evidence of hermaphroditism and sex ratio distortion in the fungal feeding nematode <i>Bursaphelenchus okinawaensis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014 , 4, 1907-17	3.2	13
230	Transgene-free genome editing by germline injection of CRISPR/Cas RNA. <i>Methods in Enzymology</i> , 2014 , 546, 441-57	1.7	3
229	Communication between oocytes and somatic cells regulates volatile pheromone production in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17905-10	11.5	25
228	BC4GO: a full-text corpus for the BioCreative IV GO task. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014,	5	29
227	WormBase 2014: new views of curated biology. <i>Nucleic Acids Research</i> , 2014 , 42, D789-93	20.1	126
226	LINKIN, a new transmembrane protein necessary for cell adhesion. <i>ELife</i> , 2014 , 3, e04449	8.9	10
225	Nematode Communication 2014 , 383-407		
224	Decoding the <i>Ascaris suum</i> Genome using Massively Parallel Sequencing and Advanced Bioinformatic Methods [Unprecedented Prospects for Fundamental and Applied Research 2013 , 287-314		
223	Getting the most out of parasitic helminth transcriptomes using HelmDB: implications for biology and biotechnology. <i>Biotechnology Advances</i> , 2013 , 31, 1109-19	17.8	22
222	Insights into the immuno-molecular biology of <i>Angiostrongylus vasorum</i> through transcriptomics--prospects for new interventions. <i>Biotechnology Advances</i> , 2013 , 31, 1486-500	17.8	16
221	Transgene-free genome editing in <i>Caenorhabditis elegans</i> using CRISPR-Cas. <i>Genetics</i> , 2013 , 195, 1167-74		82
220	Nematode-trapping fungi eavesdrop on nematode pheromones. <i>Current Biology</i> , 2013 , 23, 83-6	6.3	101

219	FGF signaling regulates Wnt ligand expression to control vulval cell lineage polarity in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2013 , 140, 3882-91	6.6	13
218	Origin and evolution of dishevelled. <i>G3: Genes, Genomes, Genetics</i> , 2013 , 3, 251-62	3.2	13
217	The genome and developmental transcriptome of the strongylid nematode <i>Haemonchus contortus</i> . <i>Genome Biology</i> , 2013 , 14, R89	18.3	166
216	Systematic profiling of <i>Caenorhabditis elegans</i> locomotive behaviors reveals additional components in G-protein Gq signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 11940-5	11.5	24
215	Succinylated octopamine ascarosides and a new pathway of biogenic amine metabolism in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2013 , 288, 18778-83	5.4	55
214	The draft genome and transcriptome of <i>Panagrellus redivivus</i> are shaped by the harsh demands of a free-living lifestyle. <i>Genetics</i> , 2013 , 193, 1279-95	4	41
213	Synaptic polarity of the interneuron circuit controlling <i>C. elegans</i> locomotion. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 128	3.5	30
212	Identification of DVA interneuron regulatory sequences in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2013 , 8, e54971	3.7	7
211	A lover and a fighter: the genome sequence of an entomopathogenic nematode <i>Heterorhabditis bacteriophora</i> . <i>PLoS ONE</i> , 2013 , 8, e69618	3.7	65
210	Entomopathogenic nematodes. <i>Current Biology</i> , 2012 , 22, R430-1	6.3	48
209	Nematode-bacterium symbioses--cooperation and conflict revealed in the "omics" age. <i>Biological Bulletin</i> , 2012 , 223, 85-102	1.5	50
208	Comparative metabolomics reveals biogenesis of ascarosides, a modular library of small-molecule signals in <i>C. elegans</i> . <i>Journal of the American Chemical Society</i> , 2012 , 134, 1817-24	16.4	146
207	Automatic categorization of diverse experimental information in the bioscience literature. <i>BMC Bioinformatics</i> , 2012 , 13, 16	3.6	23
206	The cGMP signaling pathway affects feeding behavior in the necromenic nematode <i>Pristionchus pacificus</i> . <i>PLoS ONE</i> , 2012 , 7, e34464	3.7	19
205	Ascaroside signaling is widely conserved among nematodes. <i>Current Biology</i> , 2012 , 22, 772-80	6.3	141
204	Transcription factor redundancy and tissue-specific regulation: evidence from functional and physical network connectivity. <i>Genome Research</i> , 2012 , 22, 1907-19	9.7	10
203	Targeted metabolomics reveals a male pheromone and sex-specific ascaroside biosynthesis in <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2012 , 7, 1321-5	4.9	81
202	WormBase: Annotating many nematode genomes. <i>Worm</i> , 2012 , 1, 15-21		11

201	An entomopathogenic nematode by any other name. <i>PLoS Pathogens</i> , 2012 , 8, e1002527	7.6	139
200	Text mining in the biocuration workflow: applications for literature curation at WormBase, dictyBase and TAIR. <i>Database: the Journal of Biological Databases and Curation</i> , 2012 , 2012, bas040	5	31
199	Hormonal signal amplification mediates environmental conditions during development and controls an irreversible commitment to adulthood. <i>PLoS Biology</i> , 2012 , 10, e1001306	9.7	57
198	Olfaction shapes host-parasite interactions in parasitic nematodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E2324-33	11.5	104
197	Functional transcriptomics of a migrating cell in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16246-51	11.5	29
196	Sex-specific mating pheromones in the nematode <i>Panagrellus redivivus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20949-54	11.5	56
195	WormBase 2012: more genomes, more data, new website. <i>Nucleic Acids Research</i> , 2012 , 40, D735-41	20.1	159
194	A modular library of small molecule signals regulates social behaviors in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2012 , 10, e1001237	9.7	163
193	Incorporating genomics into the toolkit of nematology. <i>Journal of Nematology</i> , 2012 , 44, 191-205	1.1	11
192	Microfluidic chamber arrays for whole-organism behavior-based chemical screening. <i>Lab on A Chip</i> , 2011 , 11, 3689-3697	7.2	83
191	Metazoan operons accelerate recovery from growth-arrested states. <i>Cell</i> , 2011 , 145, 981-92	56.2	35
190	Ascaroside expression in <i>Caenorhabditis elegans</i> is strongly dependent on diet and developmental stage. <i>PLoS ONE</i> , 2011 , 6, e17804	3.7	68
189	A sensory code for host seeking in parasitic nematodes. <i>Current Biology</i> , 2011 , 21, 377-83	6.3	140
188	Deep insights into <i>Dictyocaulus viviparus</i> transcriptomes provides unique prospects for new drug targets and disease intervention. <i>Biotechnology Advances</i> , 2011 , 29, 261-71	17.8	27
187	Atypical (RIO) protein kinases from <i>Haemonchus contortus</i> --promise as new targets for nematocidal drugs. <i>Biotechnology Advances</i> , 2011 , 29, 338-50	17.8	25
186	<i>Ascaris suum</i> draft genome. <i>Nature</i> , 2011 , 479, 529-33	50.4	217
185	Applications of high-throughput sequencing to symbiotic nematodes of the genus <i>Heterorhabditis</i> . <i>Symbiosis</i> , 2011 , 55, 111-118	3	8
184	Toward an interactive article: integrating journals and biological databases. <i>BMC Bioinformatics</i> , 2011 , 12, 175	3.6	9

183	Worm Phenotype Ontology: integrating phenotype data within and beyond the C. elegans community. <i>BMC Bioinformatics</i> , 2011 , 12, 32	3.6	54
182	The LIN-15A and LIN-56 transcriptional regulators interact to negatively regulate EGF/Ras signaling in <i>Caenorhabditis elegans</i> vulval cell-fate determination. <i>Genetics</i> , 2011 , 187, 803-15	4	9
181	Receptor-type guanylate cyclase is required for carbon dioxide sensation by <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 254-9	11.5	87
180	Transfer characteristics of a thermosensory synapse in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9667-72	11.5	44
179	Sensitive and precise quantification of insulin-like mRNA expression in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2011 , 6, e18086	3.7	35
178	Scaffolding a <i>Caenorhabditis</i> nematode genome with RNA-seq. <i>Genome Research</i> , 2010 , 20, 1740-7	9.7	78
177	A practical, bioinformatic workflow system for large data sets generated by next-generation sequencing. <i>Nucleic Acids Research</i> , 2010 , 38, e171	20.1	60
176	WormBase: a comprehensive resource for nematode research. <i>Nucleic Acids Research</i> , 2010 , 38, D463-7	20.1	289
175	Paired and LIM class homeodomain proteins coordinate differentiation of the C. elegans ALA neuron. <i>Development (Cambridge)</i> , 2010 , 137, 2065-74	6.6	36
174	Massively parallel sequencing and analysis of the <i>Necator americanus</i> transcriptome. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e684	4.8	66
173	Implementation of a color-capable optofluidic microscope on a RGB CMOS color sensor chip substrate. <i>Lab on A Chip</i> , 2010 , 10, 411-4	7.2	32
172	A vacuolar-type proton (H ⁺) translocating ATPase alpha subunit encoded by the Hc-vha-6 gene of <i>Haemonchus contortus</i> . <i>Molecular and Cellular Probes</i> , 2010 , 24, 196-203	3.3	3
171	C. elegans BED domain transcription factor BED-3 controls lineage-specific cell proliferation during organogenesis. <i>Developmental Biology</i> , 2010 , 338, 226-36	3.1	10
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9	Pattern formation during vulval development in <i>C. elegans</i> . <i>Cell</i> , 1986 , 44, 761-72	56.2	337
8	The lin-12 locus specifies cell fates in <i>Caenorhabditis elegans</i> . <i>Cell</i> , 1983 , 34, 435-44	56.2	476
7	Postembryonic nongonadal cell lineages of the nematode <i>Panagrellus redivivus</i> : description and comparison with those of <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1982 , 93, 181-205	3.1	84
6	Gonadal cell lineages of the nematode <i>Panagrellus redivivus</i> and implications for evolution by the modification of cell lineage. <i>Developmental Biology</i> , 1981 , 88, 147-66	3.1	86
5	Phenotype and gene ontology enrichment as guides for disease modeling in <i>C. elegans</i>		3
4	Reconstructing a metazoan genetic pathway with transcriptome-wide epistasis measurements		1

3	Modular metabolite assembly in <i>C. elegans</i> depends on carboxylesterases and formation of lysosome-related organelles	1
2	Evolutionary analysis implicates RNA polymerase II pausing and chromatin structure in nematode piRNA biogenesis	3
1	<i>Caenorhabditis elegans</i> PIEZO Channel Coordinates Multiple Reproductive Tissues to Govern Ovulation	1