

Paul W Sternberg

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326
papers

20,615
citations

81
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132
g-index

369
ext. papers

24,610
ext. citations

11.7
avg, IF

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L-index

#	Paper	IF	Citations
326	WormBase: a multi-species resource for nematode biology and genomics. <i>Nucleic Acids Research</i> , 2004 , 32, D411-7	20.1	543
325	The Gene Ontology resource: enriching a GOld mine. <i>Nucleic Acids Research</i> , 2021 , 49, D325-D334	20.1	494
324	The lin-12 locus specifies cell fates in <i>Caenorhabditis elegans</i> . <i>Cell</i> , 1983 , 34, 435-44	56.2	476
323	Textpresso: an ontology-based information retrieval and extraction system for biological literature. <i>PLoS Biology</i> , 2004 , 2, e309	9.7	403
322	A polycystic kidney-disease gene homologue required for male mating behaviour in <i>C. elegans</i> . <i>Nature</i> , 1999 , 401, 386-9	50.4	403
321	The let-23 gene necessary for <i>Caenorhabditis elegans</i> vulval induction encodes a tyrosine kinase of the EGF receptor subfamily. <i>Nature</i> , 1990 , 348, 693-9	50.4	383
320	let-60, a gene that specifies cell fates during <i>C. elegans</i> vulval induction, encodes a ras protein. <i>Cell</i> , 1990 , 63, 921-31	56.2	373
319	Pattern formation during vulval development in <i>C. elegans</i> . <i>Cell</i> , 1986 , 44, 761-72	56.2	337
318	The gene lin-3 encodes an inductive signal for vulval development in <i>C. elegans</i> . <i>Nature</i> , 1992 , 358, 470-6	50.4	327
317	A genetic pathway for the specification of the vulval cell lineages of <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1987 , 326, 259-67	50.4	290
316	WormBase: a comprehensive resource for nematode research. <i>Nucleic Acids Research</i> , 2010 , 38, D463-7	20.1	289
315	A blend of small molecules regulates both mating and development in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2008 , 454, 1115-8	50.4	272
314	Sensory regulation of male mating behavior in <i>Caenorhabditis elegans</i> . <i>Neuron</i> , 1995 , 14, 79-89	13.9	251
313	A <i>C. elegans</i> stretch receptor neuron revealed by a mechanosensitive TRP channel homologue. <i>Nature</i> , 2006 , 440, 684-7	50.4	243
312	<i>C. elegans</i> lin-45 raf gene participates in let-60 ras-stimulated vulval differentiation. <i>Nature</i> , 1993 , 363, 133-40	50.4	239
311	Vulval development. <i>WormBook</i> , 2005 , 1-28		234
310	Genome-wide prediction of <i>C. elegans</i> genetic interactions. <i>Science</i> , 2006 , 311, 1481-4	33.3	229

309	Lensless high-resolution on-chip optofluidic microscopes for <i>Caenorhabditis elegans</i> and cell imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10670-5	11.5	226
308	Multiple intercellular signalling systems control the development of the <i>Caenorhabditis elegans</i> vulva. <i>Nature</i> , 1991 , 351, 535-41	50.4	220
307	WormBase 2016: expanding to enable helminth genomic research. <i>Nucleic Acids Research</i> , 2016 , 44, D774-80	4.8	217
306	<i>Ascaris suum</i> draft genome. <i>Nature</i> , 2011 , 479, 529-33	50.4	217
305	The combined action of two intercellular signaling pathways specifies three cell fates during vulval induction in <i>C. elegans</i> . <i>Cell</i> , 1989 , 58, 679-93	56.2	210
304	Ror receptor tyrosine kinases: orphans no more. <i>Trends in Cell Biology</i> , 2008 , 18, 536-44	18.3	201
303	Optofluidic microscopy--a method for implementing a high resolution optical microscope on a chip. <i>Lab on A Chip</i> , 2006 , 6, 1274-6	7.2	190
302	Genetics of RAS signaling in <i>C. elegans</i> . <i>Trends in Genetics</i> , 1998 , 14, 466-72	8.5	188
301	A shortcut to identifying small molecule signals that regulate behavior and development in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7708-13	11.5	186
300	Lateral inhibition during vulval induction in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 1988 , 335, 551-4	50.4	185
299	Inositol trisphosphate mediates a RAS-independent response to LET-23 receptor tyrosine kinase activation in <i>C. elegans</i> . <i>Cell</i> , 1998 , 92, 523-33	56.2	171
298	DAF-16/FOXO regulates transcription of <i>cki-1/Cip/Kip</i> and repression of <i>lin-4</i> during <i>C. elegans</i> L1 arrest. <i>Current Biology</i> , 2006 , 16, 780-5	6.3	169
297	. <i>Nature</i> , 1999 , 401, 386-389	50.4	168
296	Different levels of the <i>C. elegans</i> growth factor LIN-3 promote distinct vulval precursor fates. <i>Cell</i> , 1995 , 82, 297-307	56.2	168
295	The genome and developmental transcriptome of the strongylid nematode <i>Haemonchus contortus</i> . <i>Genome Biology</i> , 2013 , 14, R89	18.3	166
294	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
293	Epidermal growth factor signaling induces behavioral quiescence in <i>Caenorhabditis elegans</i> . <i>Nature Neuroscience</i> , 2007 , 10, 1300-7	25.5	160
292	<i>C. elegans</i> LIN-18 is a Ryk ortholog and functions in parallel to LIN-17/Frizzled in Wnt signaling. <i>Cell</i> , 2004 , 118, 795-806	56.2	160

291	WormBase 2012: more genomes, more data, new website. <i>Nucleic Acids Research</i> , 2012 , 40, D735-41	20.1	159
290	Mutations in a <i>C. elegans</i> Gqalpha gene disrupt movement, egg laying, and viability. <i>Neuron</i> , 1996 , 16, 999-1009	13.9	152
289	The neuroscience information framework: a data and knowledge environment for neuroscience. <i>Neuroinformatics</i> , 2008 , 6, 149-60	3.2	148
288	FOS-1 promotes basement-membrane removal during anchor-cell invasion in <i>C. elegans</i> . <i>Cell</i> , 2005 , 121, 951-62	56.2	148
287	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
286	Ascaroside signaling is widely conserved among nematodes. <i>Current Biology</i> , 2012 , 22, 772-80	6.3	141
285	Opposing Wnt pathways orient cell polarity during organogenesis. <i>Cell</i> , 2008 , 134, 646-56	56.2	141
284	Conserved nematode signalling molecules elicit plant defenses and pathogen resistance. <i>Nature Communications</i> , 2015 , 6, 7795	17.4	140
283	A sensory code for host seeking in parasitic nematodes. <i>Current Biology</i> , 2011 , 21, 377-83	6.3	140
282	Acute carbon dioxide avoidance in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8038-43	11.5	140
281	Genome of the human hookworm <i>Necator americanus</i> . <i>Nature Genetics</i> , 2014 , 46, 261-269	36.3	139
280	An entomopathogenic nematode by any other name. <i>PLoS Pathogens</i> , 2012 , 8, e1002527	7.6	139
279	WormBase 2017: molting into a new stage. <i>Nucleic Acids Research</i> , 2018 , 46, D869-D874	20.1	138
278	RNA Pol II accumulates at promoters of growth genes during developmental arrest. <i>Science</i> , 2009 , 324, 92-4	33.3	134
277	An automated system for measuring parameters of nematode sinusoidal movement. <i>BMC Genetics</i> , 2005 , 6, 5	2.6	127
276	WormBase 2014: new views of curated biology. <i>Nucleic Acids Research</i> , 2014 , 42, D789-93	20.1	126
275	A portrait of the "SCP/TAPS" proteins of eukaryotes--developing a framework for fundamental research and biotechnological outcomes. <i>Biotechnology Advances</i> , 2009 , 27, 376-88	17.8	126
274	A <i>C. elegans</i> model of nicotine-dependent behavior: regulation by TRP-family channels. <i>Cell</i> , 2006 , 127, 621-33	56.2	122

273	A <i>C. elegans</i> sperm TRP protein required for sperm-egg interactions during fertilization. <i>Cell</i> , 2003 , 114, 285-97	56.2	117
272	The <i>Opisthorchis viverrini</i> genome provides insights into life in the bile duct. <i>Nature Communications</i> , 2014 , 5, 4378	17.4	113
271	WormBook: the online review of <i>Caenorhabditis elegans</i> biology. <i>Nucleic Acids Research</i> , 2007 , 35, D472-50.1	50.1	112
270	Two neuronal G proteins are involved in chemosensation of the <i>Caenorhabditis elegans</i> Dauer-inducing pheromone. <i>Genetics</i> , 1997 , 145, 715-27	4	110
269	lin-17 mutations of <i>Caenorhabditis elegans</i> disrupt certain asymmetric cell divisions. <i>Developmental Biology</i> , 1988 , 130, 67-73	3.1	109
268	WormBase: a modern Model Organism Information Resource. <i>Nucleic Acids Research</i> , 2020 , 48, D762-D767.1	7.1	107
267	Anchor cell invasion into the vulval epithelium in <i>C. elegans</i> . <i>Developmental Cell</i> , 2003 , 5, 21-31	10.2	106
266	The Jellyfish <i>Cassiopea</i> Exhibits a Sleep-like State. <i>Current Biology</i> , 2017 , 27, 2984-2990.e3	6.3	105
265	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
264	The versatile worm: genetic and genomic resources for <i>Caenorhabditis elegans</i> research. <i>Nature Reviews Genetics</i> , 2007 , 8, 518-32	30.1	102
263	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
262	Nematode-trapping fungi eavesdrop on nematode pheromones. <i>Current Biology</i> , 2013 , 23, 83-6	6.3	101
261	Nematodes, bacteria, and flies: a tripartite model for nematode parasitism. <i>Current Biology</i> , 2007 , 17, 898-904	6.3	99
260	Comparative validation of the <i>D. melanogaster</i> modENCODE transcriptome annotation. <i>Genome Research</i> , 2014 , 24, 1209-23	9.7	95
259	Mapping a multiplexed zoo of mRNA expression. <i>Development (Cambridge)</i> , 2016 , 143, 3632-3637	6.6	95
258	The L-type cyclin CYL-1 and the heat-shock-factor HSF-1 are required for heat-shock-induced protein expression in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2004 , 168, 1937-49	4	93
257	ARK-1 Inhibits EGFR Signaling in <i>C. elegans</i> . <i>Molecular Cell</i> , 2000 , 6, 65-75	17.6	92
256	WormBase 2007. <i>Nucleic Acids Research</i> , 2008 , 36, D612-7	20.1	91

255	Evidence of a mate-finding cue in the hermaphrodite nematode <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1598-603	11.5	91
254	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, 2549-54	11.5	87
253	<i>Caenorhabditis elegans</i> HOM-C genes regulate the response of vulval precursor cells to inductive signal. <i>Developmental Biology</i> , 1997 , 182, 150-61	3.1	87
252	Apoptosis and change of competence limit the size of the vulva equivalence group in <i>Pristionchus pacificus</i> : a genetic analysis. <i>Current Biology</i> , 1996 , 6, 52-9	6.3	87
251	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
250	SynMuv genes redundantly inhibit lin-3/EGF expression to prevent inappropriate vulval induction in <i>C. elegans</i> . <i>Developmental Cell</i> , 2006 , 10, 667-72	10.2	85
249	Regulation of distinct muscle behaviors controls the <i>C. elegans</i> male copulatory spicules during mating. <i>Cell</i> , 2001 , 107, 777-88	56.2	84
248	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
247	Microfluidic chamber arrays for whole-organism behavior-based chemical screening. <i>Lab on A Chip</i> , 2011 , 11, 3689-3697	7.2	83
246	Transgene-free genome editing in <i>Caenorhabditis elegans</i> using CRISPR-Cas. <i>Genetics</i> , 2013 , 195, 1167-74	7.1	82
245	Phylogenomic and biogeographic reconstruction of the <i>Trichinella</i> complex. <i>Nature Communications</i> , 2016 , 7, 10513	17.4	81
244	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
243	Evolution of vulva development in the Cephalobina (Nematoda). <i>Developmental Biology</i> , 2000 , 221, 68-86	9.1	79
242	Scaffolding a <i>Caenorhabditis</i> nematode genome with RNA-seq. <i>Genome Research</i> , 2010 , 20, 1740-7	9.7	78
241	The epidermal growth factor system in <i>Caenorhabditis elegans</i> . <i>Experimental Cell Research</i> , 2003 , 284, 150-9	4.2	78
240	Genetic blueprint of the zoonotic pathogen <i>Toxocara canis</i> . <i>Nature Communications</i> , 2015 , 6, 6145	17.4	77
239	Genome and transcriptome of the porcine whipworm <i>Trichuris suis</i> . <i>Nature Genetics</i> , 2014 , 46, 701-6	36.3	77
238	WormBase: new content and better access. <i>Nucleic Acids Research</i> , 2007 , 35, D506-10	20.1	76

237	A cell-specific enhancer that specifies lin-3 expression in the <i>C. elegans</i> anchor cell for vulval development. <i>Development (Cambridge)</i> , 2004 , 131, 143-51	6.6	73
236	Alliance of Genome Resources Portal: unified model organism research platform. <i>Nucleic Acids Research</i> , 2020 , 48, D650-D658	20.1	71
235	Tissue enrichment analysis for <i>C. elegans</i> genomics. <i>BMC Bioinformatics</i> , 2016 , 17, 366	3.6	70
234	Systems level circuit model of <i>C. elegans</i> undulatory locomotion: mathematical modeling and molecular genetics. <i>Journal of Computational Neuroscience</i> , 2008 , 24, 253-76	1.4	70
233	Conservation rules, their breakdown, and optimality in <i>Caenorhabditis</i> sinusoidal locomotion. <i>Journal of Theoretical Biology</i> , 2006 , 242, 652-69	2.3	70
232	<i>Caenorhabditis elegans</i> inositol 5-phosphatase homolog negatively regulates inositol 1,4,5-triphosphate signaling in ovulation. <i>Molecular Biology of the Cell</i> , 2002 , 13, 1641-51	3.5	69
231	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
230	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
229	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
228	WormBase: better software, richer content. <i>Nucleic Acids Research</i> , 2006 , 34, D475-8	20.1	68
227	The <i>C. elegans</i> ROR receptor tyrosine kinase, CAM-1, non-autonomously inhibits the Wnt pathway. <i>Development (Cambridge)</i> , 2007 , 134, 4053-62	6.6	67
226	Massively parallel sequencing and analysis of the <i>Necator americanus</i> transcriptome. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e684	4.8	66
225	<i>Caenorhabditis elegans</i> Galphaq regulates egg-laying behavior via a PLCbeta-independent and serotonin-dependent signaling pathway and likely functions both in the nervous system and in muscle. <i>Genetics</i> , 2003 , 165, 1805-22	4	66
224	Reciprocal EGF signaling back to the uterus from the induced <i>C. elegans</i> vulva coordinates morphogenesis of epithelia. <i>Current Biology</i> , 1999 , 9, 237-46	6.3	65
223	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
222	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
221	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
220	Ras pathways in <i>Caenorhabditis elegans</i> . <i>Current Opinion in Genetics and Development</i> , 1995 , 5, 38-43	4.9	61

219	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
218	The small ubiquitin-like modifier (SUMO) is required for gonadal and uterine-vulval morphogenesis in <i>Caenorhabditis elegans</i> . <i>Genes and Development</i> , 2004 , 18, 2380-91	12.6	58
217	Distinct and redundant functions of mu1 medium chains of the AP-1 clathrin-associated protein complex in the nematode <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2000 , 11, 2743-56	3.5	58
216	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
215	Pattern formation during <i>C. elegans</i> vulval induction. <i>Current Topics in Developmental Biology</i> , 2001 , 51, 189-220	5.3	57
214	<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
213	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
212	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
211	Worm Phenotype Ontology: integrating phenotype data within and beyond the <i>C. elegans</i> community. <i>BMC Bioinformatics</i> , 2011 , 12, 32	3.6	54
210	Federated access to heterogeneous information resources in the Neuroscience Information Framework (NIF). <i>Neuroinformatics</i> , 2008 , 6, 205-17	3.2	54
209	Comparative genomics of <i>Steinernema</i> reveals deeply conserved gene regulatory networks. <i>Genome Biology</i> , 2015 , 16, 200	18.3	53
208	Gene expression markers for <i>Caenorhabditis elegans</i> vulval cells. <i>Mechanisms of Development</i> , 2002 , 119 Suppl 1, S203-9	1.7	52
207	Coordinated morphogenesis of epithelia during development of the <i>Caenorhabditis elegans</i> uterine-vulval connection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 9329-33	11.5	51
206	Nematode-bacterium symbioses--cooperation and conflict revealed in the "omics" age. <i>Biological Bulletin</i> , 2012 , 223, 85-102	1.5	50
205	Transcriptional network underlying <i>Caenorhabditis elegans</i> vulval development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4972-7	11.5	50
204	Evolution of nematode vulval fate patterning. <i>Developmental Biology</i> , 1996 , 173, 396-407	3.1	50
203	Entomopathogenic nematodes. <i>Current Biology</i> , 2012 , 22, R430-1	6.3	48
202	A component of the transcriptional mediator complex inhibits RAS-dependent vulval fate specification in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2003 , 130, 57-69	6.6	48

201	Semi-automated curation of protein subcellular localization: a text mining-based approach to Gene Ontology (GO) Cellular Component curation. <i>BMC Bioinformatics</i> , 2009 , 10, 228	3.6	47
200	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
199	Intercellular coupling amplifies fate segregation during <i>Caenorhabditis elegans</i> vulval development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 1331-6	11.5	46
198	The <i>Caenorhabditis elegans</i> heterochronic gene <i>lin-29</i> coordinates the vulval-uterine-epidermal connections. <i>Current Biology</i> , 2000 , 10, 1479-88	6.3	46
197	Nematophagous fungus mimics olfactory cues of sex and food to lure its nematode prey. <i>ELife</i> , 2017 , 6,	8.9	46
196	Genetically Encoded Spy Peptide Fusion System to Detect Plasma Membrane-Localized Proteins In Vivo. <i>Chemistry and Biology</i> , 2015 , 22, 1108-21		45
195	Structural and functional characterisation of the fork head transcription factor-encoding gene, <i>Hc-daf-16</i> , from the parasitic nematode <i>Haemonchus contortus</i> (Strongylida). <i>International Journal for Parasitology</i> , 2010 , 40, 405-15	4.3	45
194	Biology and genome of a newly discovered sibling species of <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2018 , 9, 3216	17.4	44
193	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
192	Differences in transcription between free-living and CO ₂ -activated third-stage larvae of <i>Haemonchus contortus</i> . <i>BMC Genomics</i> , 2010 , 11, 266	4.5	44
191	Intercellular signaling and signal transduction in <i>C. elegans</i> . <i>Annual Review of Genetics</i> , 1993 , 27, 497-521	14.5	44
190	Competence and commitment of <i>Caenorhabditis elegans</i> vulval precursor cells. <i>Developmental Biology</i> , 1999 , 212, 12-24	3.1	42
189	Evolution of cell lineage and pattern formation in the vulval equivalence group of rhabditid nematodes. <i>Developmental Biology</i> , 1995 , 167, 61-74	3.1	42
188	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
187	Postembryonic RNAi in <i>Heterorhabditis bacteriophora</i> : a nematode insect parasite and host for insect pathogenic symbionts. <i>BMC Developmental Biology</i> , 2007 , 7, 101	3.1	41
186	cis-Regulatory control of three cell fate-specific genes in vulval organogenesis of <i>Caenorhabditis elegans</i> and <i>C. briggsae</i> . <i>Developmental Biology</i> , 2003 , 257, 85-103	3.1	41
185	Textpresso for neuroscience: searching the full text of thousands of neuroscience research papers. <i>Neuroinformatics</i> , 2008 , 6, 195-204	3.2	40
184	The NK-2 class homeodomain factor <i>CEH-51</i> and the T-box factor <i>TBX-35</i> have overlapping function in <i>C. elegans</i> mesoderm development. <i>Development (Cambridge)</i> , 2009 , 136, 2735-46	6.6	39

183	C. elegans EVI1 proto-oncogene, EGL-43, is necessary for Notch-mediated cell fate specification and regulates cell invasion. <i>Development (Cambridge)</i> , 2007 , 134, 669-79	6.6	38
182	Tissue-specific regulation of the LIM homeobox gene lin-11 during development of the <i>Caenorhabditis elegans</i> egg-laying system. <i>Developmental Biology</i> , 2002 , 247, 102-15	3.1	38
181	Metabolomic "Dark Matter" Dependent on Peroxisomal Oxidation in <i>Caenorhabditis elegans</i> . <i>Journal of the American Chemical Society</i> , 2018 , 140, 2841-2852	16.4	37
180	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
179	Requirements of multiple domains of SLI-1, a <i>Caenorhabditis elegans</i> homologue of c-Cbl, and an inhibitory tyrosine in LET-23 in regulating vulval differentiation. <i>Molecular Biology of the Cell</i> , 2000 , 11, 4019-31	3.5	37
178	Paired and LIM class homeodomain proteins coordinate differentiation of the <i>C. elegans</i> ALA neuron. <i>Development (Cambridge)</i> , 2010 , 137, 2065-74	6.6	36
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