

# Efficient gene transfer in *C.elegans*: extrachromosomal transforming sequences.

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mosaic Analysis in <i>Caenorhabditis elegans</i> . , 2000, 135, 447-462.		11
2	Analysis of dominant-negative mutations of the <i>Caenorhabditis elegans</i> let-60 ras gene.. <i>Genes and Development</i> , 1991, 5, 2188-2198.	2.7	100
3	Mutation of a putative sperm membrane protein in <i>Caenorhabditis elegans</i> prevents sperm differentiation but not its associated meiotic divisions.. <i>Journal of Cell Biology</i> , 1992, 119, 55-68.	2.3	165
4	Prevention of programmed cell death in <i>Caenorhabditis elegans</i> by human bcl-2. <i>Science</i> , 1992, 258, 1955-1957.	6.0	588
5	A plethora of intercellular signals during <i>Caenorhabditis elegans</i> development. <i>Current Opinion in Cell Biology</i> , 1992, 4, 939-947.	2.6	10
6	Transformation of <i>Caenorhabditis elegans</i> with genes from parasitic nematodes. <i>Parasitology Today</i> , 1992, 8, 344-346.	3.1	27
7	skn-1, a maternally expressed gene required to specify the fate of ventral blastomeres in the early <i>C. elegans</i> embryo. <i>Cell</i> , 1992, 68, 1061-1075.	13.5	356
8	UNC-5, a transmembrane protein with immunoglobulin and thrombospondin type 1 domains, guides cell and pioneer axon migrations in <i>C. elegans</i> . <i>Cell</i> , 1992, 71, 289-299.	13.5	389
9	The mec-7 beta-tubulin gene of <i>Caenorhabditis elegans</i> is expressed primarily in the touch receptor neurons.. <i>EMBO Journal</i> , 1992, 11, 2885-2893.	3.5	141
10	Regulation of the mec-3 gene by the <i>C.elegans</i> homeoproteins UNC-86 and MEC-3.. <i>EMBO Journal</i> , 1992, 11, 4969-4979.	3.5	108
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13	The gene lin-3 encodes an inductive signal for vulval development in <i>C. elegans</i> . <i>Nature</i> , 1992, 358, 470-476.	13.7	378
14	Genes and genomes: Reverse genetics of <i>caenorhabditis elegans</i> . <i>BioEssays</i> , 1992, 14, 629-633.	1.2	30
15	Molecular genetics of cell death in the nematode <i>Caenorhabditis elegans</i> . <i>Journal of Neurobiology</i> , 1992, 23, 1327-1351.	3.7	75
16	Molecular markers of differentiation in <i>Caenorhabditis elegans</i> obtained by promoter trapping. <i>Developmental Dynamics</i> , 1993, 196, 124-132.	0.8	18
17	Targeted single-cell induction of gene products in <i>Caenorhabditis elegans</i> : A new tool for developmental studies. <i>The Journal of Experimental Zoology</i> , 1993, 266, 227-233.	1.4	57
18	emb-5, a gene required for the correct timing of gut precursor cell division during gastrulation in <i>Caenorhabditis elegans</i> , encodes a protein similar to the yeast nuclear protein SPT6. <i>Molecular Genetics and Genomics</i> , 1993, 239, 313-322.	2.4	40

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22	<i>C. elegans</i> lin-45 raf gene participates in let-60 ras-stimulated vulval differentiation. <i>Nature</i> , 1993, 363, 133-140.	13.7	263
23	Expression of the UNC-5 guidance receptor in the touch neurons of <i>C. elegans</i> steers their axons dorsally. <i>Nature</i> , 1993, 364, 327-330.	13.7	229
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25	The daf-4 gene encodes a bone morphogenetic protein receptor controlling <i>C. elegans</i> dauer larva development. <i>Nature</i> , 1993, 365, 644-649.	13.7	368
26	Comparing mutants, selective breeding, and transgenics in the dissection of aging processes of <i>Caenorhabditis elegans</i> . <i>Genetica</i> , 1993, 91, 65-77.	0.5	63
27	Independent domains of the Sdc-3 protein control sex determination and dosage compensation in <i>C. elegans</i> . <i>Cell</i> , 1993, 72, 349-364.	13.5	74
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38	Genetic identification, sequence, and alternative splicing of the <i>Caenorhabditis elegans</i> alpha 2(IV) collagen gene.. <i>Journal of Cell Biology</i> , 1993, 123, 255-264.	2.3	77
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44	Alteration of <i>Caenorhabditis elegans</i> gene expression by targeted transformation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 4359-4363.	3.3	24
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128	Injection of DNA into plant and animal tissues with micromechanical piercing structures. , 0, , .		17
129	Participation of the protein Go in multiple aspects of behavior in <i>C. elegans</i> . <i>Science</i> , 1995, 267, 1652-1655.	6.0	249
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1295	RIC-7 Promotes Neuropeptide Secretion. <i>PLoS Genetics</i> , 2012, 8, e1002464.	1.5	27
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1540	SLC6 family transporter SNF-10 is required for protease-mediated activation of sperm motility in <i>C. elegans</i> . <i>Developmental Biology</i> , 2014, 393, 171-182.	0.9	17
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1547	Analyzing cell physiology in <i>C. elegans</i> with fluorescent ratiometric reporters. <i>Methods</i> , 2014, 68, 508-517.	1.9	9
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1552	New genetic regulators question relevance of abundant yolk protein production in <i>C. elegans</i> . <i>Scientific Reports</i> , 2015, 5, 16381.	1.6	46
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1554	Navigational choice between reversal and curve during acidic pH avoidance behavior in <i>Caenorhabditis elegans</i> . <i>BMC Neuroscience</i> , 2015, 16, 79.	0.8	9
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1556	Developmental Function of the PHR Protein RPM-1 Is Required for Learning in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2745-2757.	0.8	15

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1571	A Novel Mechanism of pH Buffering in <i>C. elegans</i> Glia: Bicarbonate Transport via the Voltage-Gated Cl <sup>-</sup> Channel CLH-1. <i>Journal of Neuroscience</i> , 2015, 35, 16377-16397.	1.7	21
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1630	Understanding Synaptogenesis and Functional Connectome in <i>C. elegans</i> by Imaging Technology. <i>Frontiers in Synaptic Neuroscience</i> , 2016, 8, 18.	1.3	6
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1806	Tissue-Specific Functions of <i>fem-2</i> /PP2c Phosphatase and <i>fhod-1</i> /formin During <i>Caenorhabditis elegans</i> Embryonic Morphogenesis. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2277-2290.	0.8	5
1807	Increased Reticulon 3 (RTN3) Leads to Obesity and Hypertriglyceridemia by Interacting With Heat Shock Protein Family A (Hsp70) Member 5 (HSPA5). <i>Circulation</i> , 2018, 138, 1828-1838.	1.6	26
1808	Structure-guided design and functional characterization of an artificial red lightâ€regulated guanylate/adenylate cyclase for optogenetic applications. <i>Journal of Biological Chemistry</i> , 2018, 293, 9078-9089.	1.6	45
1809	A Strategy To Isolate Modifiers of <i>Caenorhabditis elegans</i> Lethal Mutations: Investigating the Endoderm Specifying Ability of the Intestinal Differentiation GATA Factor ELT-2. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1425-1437.	0.8	3

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1810	EFF-1 fusogen promotes phagosome sealing during cell process clearance in <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2018, 20, 393-399.	4.6	19
1811	WAVE regulates Cadherin junction assembly and turnover during epithelial polarization. <i>Developmental Biology</i> , 2018, 434, 133-148.	0.9	20
1812	The biotin-ligating protein BPL-1 is critical for lipid biosynthesis and polarization of the <i>Caenorhabditis elegans</i> embryo. <i>Journal of Biological Chemistry</i> , 2018, 293, 610-622.	1.6	23
1813	Neuropeptides encoded by <i>nlp-49</i> modulate locomotion, arousal and egg-laying behaviours in <i>Caenorhabditis elegans</i> via the receptor SEB-3. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170368.	1.8	28
1814	Sentryn and SAD Kinase Link the Guided Transport and Capture of Dense Core Vesicles in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2018, 210, 925-946.	1.2	10
1815	Spatial Transcriptomics of <i>C. elegans</i> Males and Hermaphrodites Identifies Sex-Specific Differences in Gene Expression Patterns. <i>Developmental Cell</i> , 2018, 47, 801-813.e6.	3.1	55
1816	SLO potassium channels antagonize premature decision making in <i>C. elegans</i> . <i>Communications Biology</i> , 2018, 1, 123.	2.0	13
1817	The polarity protein VANG-1 antagonizes Wnt signaling by facilitating Frizzled endocytosis. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	6
1818	<i>C. elegans</i> PTEN and AMPK block neuroblast divisions by inhibiting a BMP-insulin-PP2A-MAPK pathway. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	24
1819	G2019S LRRK2 Increases Stress Susceptibility Through Inhibition of DAF-16 Nuclear Translocation in a 14-3-3 Associated-Manner in <i>Caenorhabditis elegans</i> . <i>Frontiers in Neuroscience</i> , 2018, 12, 782.	1.4	7
1820	Sentryn Acts with a Subset of Active Zone Proteins To Optimize the Localization of Synaptic Vesicles in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2018, 210, 947-968.	1.2	8
1821	Genetic inhibition of an ATP synthase subunit extends lifespan in <i>C. elegans</i> . <i>Scientific Reports</i> , 2018, 8, 14836.	1.6	23
1822	Inhibition of cell fate repressors secures the differentiation of the touch receptor neurons of <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 2018, 145, .	1.2	7
1823	RBM-5 modulates U2AF large subunit-dependent alternative splicing in <i>C. elegans</i> . <i>RNA Biology</i> , 2018, 15, 1295-1308.	1.5	6
1824	A TGF- $\beta$ type I receptor-like molecule with a key functional role in <i>Haemonchus contortus</i> development. <i>International Journal for Parasitology</i> , 2018, 48, 1023-1033.	1.3	16
1825	Distinct CED-10/Rac1 domains confer context-specific functions in development. <i>PLoS Genetics</i> , 2018, 14, e1007670.	1.5	11
1826	The receptor tyrosine kinase HIR-1 coordinates HIF-independent responses to hypoxia and extracellular matrix injury. <i>Science Signaling</i> , 2018, 11, .	1.6	19
1827	Maintenance of Proteostasis by P Body-Mediated Regulation of eIF4E Availability during Aging in <i>Caenorhabditis elegans</i> . <i>Cell Reports</i> , 2018, 25, 199-211.e6.	2.9	31

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1829	A functional study of all 40 <i>Caenorhabditis elegans</i> insulin-like peptides. <i>Journal of Biological Chemistry</i> , 2018, 293, 16912-16922.	1.6	61
1830	Sphingosine Kinase Activates the Mitochondrial Unfolded Protein Response and Is Targeted to Mitochondria by Stress. <i>Cell Reports</i> , 2018, 24, 2932-2945.e4.	2.9	48
1831	<i>C. elegans</i> MANF Homolog Is Necessary for the Protection of Dopaminergic Neurons and ER Unfolded Protein Response. <i>Frontiers in Neuroscience</i> , 2018, 12, 544.	1.4	30
1832	Thioredoxin shapes the <i>C. elegans</i> sensory response to <i>Pseudomonas</i> produced nitric oxide. <i>ELife</i> , 2018, 7, .	2.8	41
1833	A Rapid and Facile Pipeline for Generating Genomic Point Mutants in <i>C. elegans</i> Using CRISPR/Cas9 Ribonucleoproteins. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	0
1834	FLP-18 Functions through the G-Protein-Coupled Receptors NPR-1 and NPR-4 to Modulate Reversal Length in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2018, 38, 4641-4654.	1.7	35
1835	The Protein Arginine Methyltransferase PRMT-5 Regulates SER-2 Tyramine Receptor-Mediated Behaviors in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2389-2398.	0.8	8
1836	A Comprehensive Mutagenesis Screen of the Adhesion GPCR Latrophilin-1/ADGRL1. <i>IScience</i> , 2018, 3, 264-278.	1.9	46
1837	The Claudin-like Protein HPO-30 Is Required to Maintain LACHRs at the <i>C. elegans</i> Neuromuscular Junction. <i>Journal of Neuroscience</i> , 2018, 38, 7072-7087.	1.7	6
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1839	Silencing of Syntaxin 1A in the Dopaminergic Neurons Decreases the Activity of the Dopamine Transporter and Prevents Amphetamine-Induced Behaviors in <i>C. elegans</i> . <i>Frontiers in Physiology</i> , 2018, 9, 576.	1.3	9
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1841	Wnts Promote Synaptic Assembly Through T-Cell Specific Transcription Factors in <i>Caenorhabditis elegans</i> . <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 194.	1.4	8
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1844	Noninvasive Mechanochemical Imaging in Unconstrained <i>Caenorhabditis elegans</i> . <i>Materials</i> , 2018, 11, 1034.	1.3	7
1845	Hypoxia-inducible factor cell non-autonomously regulates <i>C. elegans</i> stress responses and behavior via a nuclear receptor. <i>ELife</i> , 2018, 7, .	2.8	16

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1847	Sphingosine Kinase Regulates Neuropeptide Secretion During the Oxidative Stress-Response Through Intertissue Signaling. <i>Journal of Neuroscience</i> , 2018, 38, 8160-8176.	1.7	16
1848	<i>Caenorhabditis elegans</i> BRICHOS Domain-Containing Protein C09F5.1 Maintains Thermotolerance and Decreases Cytotoxicity of A $\beta$ 242 by Activating the UPR. <i>Genes</i> , 2018, 9, 160.	1.0	2
1849	LRRK2 kinase regulates $\alpha$ -synuclein propagation via RAB35 phosphorylation. <i>Nature Communications</i> , 2018, 9, 3465.	5.8	121
1850	Role of tyramine in calcium dynamics of GABAergic neurons and escape behavior in <i>Caenorhabditis elegans</i> . <i>Zoological Letters</i> , 2018, 4, 19.	0.7	14
1851	The <i>C. elegans</i> BRCA2-ALP/Enigma Complex Regulates Axon Regeneration via a Rho GTPase-ROCK-MLC Phosphorylation Pathway. <i>Cell Reports</i> , 2018, 24, 1880-1889.	2.9	20
1852	Immobility in the sedentary plant-parasitic nematode <i>H. glycines</i> is associated with remodeling of neuromuscular tissue. <i>PLoS Pathogens</i> , 2018, 14, e1007198.	2.1	9
1853	Membrane Fluidity Is Regulated Cell Nonautonomously by <i>Caenorhabditis elegans</i> PAQR-2 and Its Mammalian Homolog AdipoR2. <i>Genetics</i> , 2018, 210, 189-201.	1.2	40
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1855	Phosphatidylserine exposure mediated by ABC transporter activates the integrin signaling pathway promoting axon regeneration. <i>Nature Communications</i> , 2018, 9, 3099.	5.8	31
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1858	Prostaglandin signals from adult germline stem cells delay somatic ageing of <i>Caenorhabditis elegans</i> . <i>Nature Metabolism</i> , 2019, 1, 790-810.	5.1	30
1859	CRISPR/Cas9 Mutagenesis and Expression of Dominant Mutant Transgenes as Functional Genomic Approaches in Parasitic Nematodes. <i>Frontiers in Genetics</i> , 2019, 10, 656.	1.1	19
1860	Inhibition of Axon Regeneration by Liquid-like TIAR-2 Granules. <i>Neuron</i> , 2019, 104, 290-304.e8.	3.8	51
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1862	Advances in the Molecular and Cellular Biology of <i>Strongyloides</i> spp.. <i>Current Tropical Medicine Reports</i> , 2019, 6, 161-178.	1.6	14
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1865	Sphingosine kinase and p38 MAP kinase signaling promote resistance to arsenite-induced lethality in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Toxicology</i> , 2019, 15, 415-424.	0.8	1
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1867	RIMB-1/RIM-Binding Protein and UNC-10/RIM Redundantly Regulate Presynaptic Localization of the Voltage-Gated Calcium Channel in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2019, 39, 8617-8631.	1.7	36
1868	The <i>Caenorhabditis elegans</i> Transgenic Toolbox. <i>Genetics</i> , 2019, 212, 959-990.	1.2	118
1869	Pheromones Modulate Learning by Regulating the Balanced Signals of Two Insulin-like Peptides. <i>Neuron</i> , 2019, 104, 1095-1109.e5.	3.8	29
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1873	Liposome-based transfection enhances RNAi and CRISPR-mediated mutagenesis in non-model nematode systems. <i>Scientific Reports</i> , 2019, 9, 483.	1.6	47
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1878	A tensile trilayered cytoskeletal endotube drives capillary-like lumenogenesis. <i>Journal of Cell Biology</i> , 2019, 218, 2403-2424.	2.3	12
1879	The kynurenine pathway is essential for rholoquinone biosynthesis in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 11047-11053.	1.6	19
1880	Defective Expression of Mitochondrial, Vacuolar H <sup>+</sup> -ATPase and Histone Genes in a <i>C. elegans</i> Model of SMA. <i>Frontiers in Genetics</i> , 2019, 10, 410.	1.1	2
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1884	Single-Copy Knock-In Loci for Defined Gene Expression in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2195-2198.	0.8	57
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1886	Expression of Ice-Binding Proteins in <i>Caenorhabditis elegans</i> Improves the Survival Rate upon Cold Shock and during Freezing. <i>Scientific Reports</i> , 2019, 9, 6246.	1.6	15
1887	The Role of Tissue Inhibitors of Metalloproteinases in Organ Development and Regulation of ADAMTS Family Metalloproteinases in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2019, 212, 523-535.	1.2	7
1888	Molybdenum cofactor transfer from bacteria to nematode mediates sulfite detoxification. <i>Nature Chemical Biology</i> , 2019, 15, 480-488.	3.9	27
1889	Pathogenetic basis of Takenouchi-Kosaki syndrome: Electron microscopy study using platelets in patients and functional studies in a <i>Caenorhabditis elegans</i> model. <i>Scientific Reports</i> , 2019, 9, 4418.	1.6	16
1890	<i>Caenorhabditis elegans</i> and its applicability to studies on restless legs syndrome. <i>Advances in Pharmacology</i> , 2019, 84, 147-174.	1.2	5
1891	A Protein Disulfide Isomerase Controls Neuronal Migration through Regulation of Wnt Secretion. <i>Cell Reports</i> , 2019, 26, 3183-3190.e5.	2.9	12
1892	A Receptor Tyrosine Kinase Network Regulates Neuromuscular Function in Response to Oxidative Stress in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2019, 211, 1283-1295.	1.2	4
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1904	Multiple sensory neurons mediate starvation-dependent aversive navigation in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18673-18683.	3.3	23
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1920	The <i>Caenorhabditis elegans</i> SMOC-1 Protein Acts Cell Nonautonomously To Promote Bone Morphogenetic Protein Signaling. <i>Genetics</i> , 2019, 211, 683-702.	1.2	10
1921	The tissue- and developmental stage-specific involvement of autophagy genes in aggrephagy. <i>Autophagy</i> , 2020, 16, 589-599.	4.3	9
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1927	Loss of <i>egli-1</i> , the <i>Caenorhabditis elegans</i> Orthologue of a Downstream Target of SMN, Leads to Abnormalities in Sensorimotor Integration. <i>Molecular Neurobiology</i> , 2020, 57, 1553-1569.	1.9	2
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1932	Functional characterization of a novel gene, <i>Hc-dhs-28</i> and its role in protecting the host after <i>Haemonchus contortus</i> infection through regulation of diapause formation. <i>International Journal for Parasitology</i> , 2020, 50, 945-957.	1.3	2
1933	Harmonization of <i>L1CAM</i> expression facilitates axon outgrowth and guidance of a motor neuron. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	6
1934	The <i>C. elegans</i> <i>miR-235</i> regulates the toxicity of graphene oxide via targeting the nuclear hormone receptor <i>DAF-12</i> in the intestine. <i>Scientific Reports</i> , 2020, 10, 16933.	1.6	4
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1939	IGLR-2, a Leucine-Rich Repeat Domain Containing Protein, Is Required for the Host Defense in <i>Caenorhabditis elegans</i> . <i>Frontiers in Immunology</i> , 2020, 11, 561337.	2.2	4
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1941	Genetic map construction and functional characterization of genes within the segregation distortion regions (SDRs) in the F2:3 populations derived from wild cotton species of the D genome. <i>Journal of Cotton Research</i> , 2020, 3, .	1.0	0
1942	Enhanced MAPK1 Function Causes a Neurodevelopmental Disorder within the RASopathy Clinical Spectrum. <i>American Journal of Human Genetics</i> , 2020, 107, 499-513.	2.6	48
1943	Fluorescent dATP for DNA Synthesis <i>In Vivo</i> . <i>ACS Chemical Biology</i> , 2020, 15, 2996-3003.	1.6	5
1944	Modeling neurodegeneration in <i>Caenorhabditis elegans</i> . <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	1.2	83
1945	d-Serine and d-Alanine Regulate Adaptive Foraging Behavior in <i>Caenorhabditis elegans</i> via the NMDA Receptor. <i>Journal of Neuroscience</i> , 2020, 40, 7531-7544.	1.7	7
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1947	Melting dsDNA Donor Molecules Greatly Improves Precision Genome Editing in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2020, 216, 643-650.	1.2	112
1948	SWI/SNF complexes act through CBP-1 histone acetyltransferase to regulate acute functional tolerance to alcohol. <i>BMC Genomics</i> , 2020, 21, 646.	1.2	6
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1950	Fusogen-mediated neuron~neuron fusion disrupts neural circuit connectivity and alters animal behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23054-23065.	3.3	11
1951	Real-time nanodiamond thermometry probing in vivo thermogenic responses. <i>Science Advances</i> , 2020, 6, .	4.7	97
1952	Multiple Chemosensory Neurons Mediate Avoidance Behavior to Rare Earth Ions in <i>Caenorhabditis elegans</i> . <i>Biological Trace Element Research</i> , 2021, 199, 2764-2769.	1.9	1
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1955	<i>FHOD-1</i> is the only formin in <i>Caenorhabditis elegans</i> that promotes striated muscle growth and $\alpha$ -tubulin organization in a cell autonomous manner. <i>Cytoskeleton</i> , 2020, 77, 422-441.	1.0	4
1956	Engineering rules that minimize germline silencing of transgenes in simple extrachromosomal arrays in <i>C. elegans</i> . <i>Nature Communications</i> , 2020, 11, 6300.	5.8	43
1957	Downregulated RPS-30 in <i>Angiostrongylus cantonensis</i> L5 plays a defensive role against damage due to oxidative stress. <i>Parasites and Vectors</i> , 2020, 13, 617.	1.0	3
1958	A Single Amino Acid Residue Regulates PTEN-Binding and Stability of the Spinal Muscular Atrophy Protein SMN. <i>Cells</i> , 2020, 9, 2405.	1.8	4
1959	p.His16Arg of STXBP1 (MUNC18-1) Associated With Syntaxin 3B Causes Autosomal Dominant Congenital Nystagmus. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 591781.	1.8	6
1960	Amyotrophic Lateral Sclerosis: Proteins, Proteostasis, Prions, and Promises. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 581907.	1.8	25
1961	The connectome of the <i>Caenorhabditis elegans</i> pharynx. <i>Journal of Comparative Neurology</i> , 2020, 528, 2767-2784.	0.9	26
1962	Methylation deficiency disrupts biological rhythms from bacteria to humans. <i>Communications Biology</i> , 2020, 3, 211.	2.0	17
1963	<i>C. elegans</i> MAGU-2/Mpp5 homolog regulates epidermal phagocytosis and synapse density. <i>Journal of Neurogenetics</i> , 2020, 34, 298-306.	0.6	4
1964	The evolutionarily conserved deubiquitinase UBH1/UCH-L1 augments DAF7/TGF- $\beta$ signaling, inhibits dauer larva formation, and enhances lung tumorigenesis. <i>Journal of Biological Chemistry</i> , 2020, 295, 9105-9120.	1.6	9
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1966	FSHR-1/GPCR Regulates the Mitochondrial Unfolded Protein Response in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2020, 214, 409-418.	1.2	30
1967	Multimodal nonlinear optical imaging of <i>Caenorhabditis elegans</i> with multiplex coherent anti-Stokes Raman scattering, third-harmonic generation, second-harmonic generation, and two-photon excitation fluorescence. <i>Applied Physics Express</i> , 2020, 13, 072002.	1.1	7
1968	Efficient Transgenesis in <i>Caenorhabditis elegans</i> Using Flp Recombinase-Mediated Cassette Exchange. <i>Genetics</i> , 2020, 215, 903-921.	1.2	50
1969	The noncanonical small heat shock protein HSP-17 from <i>Caenorhabditis elegans</i> is a selective protein aggregase. <i>Journal of Biological Chemistry</i> , 2020, 295, 3064-3079.	1.6	9
1970	Sensory cilia as the Achilles heel of nematodes when attacked by carnivorous mushrooms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6014-6022.	3.3	20
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1973	Microfluidic Device for Microinjection of <i>Caenorhabditis elegans</i> . <i>Micromachines</i> , 2020, 11, 295.	1.4	9
1974	Transcriptomic analysis of hookworm <i>Ancylostoma ceylanicum</i> life cycle stages reveals changes in G-protein coupled receptor diversity associated with the onset of parasitism. <i>International Journal for Parasitology</i> , 2020, 50, 603-610.	1.3	9
1975	How affinity of the ELT-2 GATA factor binding to <i>cis</i> -acting regulatory sites controls <i>C. elegans</i> intestinal gene transcription. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	4
1976	<i>C. elegans</i> flamingo FMI-1 controls dendrite self-avoidance through F-actin assembly. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	5
1977	<i>APP</i> -Induced Patterned Neurodegeneration Is Exacerbated by <i>APOE4</i> in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 2851-2861.	0.8	4
1978	Sensory regulated Wnt production from neurons helps make organ development robust to environmental changes in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2020, 147, .	1.2	0
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1984	Evolution of Transcriptional Repressors Impacts <i>Caenorhabditis</i> Vulval Development. <i>Molecular Biology and Evolution</i> , 2020, 37, 1350-1361.	3.5	3
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1995	A sensorless angular displacement measurement method for rotational oscillation generation in biomedical applications with Ros-Drill. <i>Transactions of the Institute of Measurement and Control</i> , 2021, 43, 1774-1785.	1.1	0
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1997	The <i>C. elegans</i> Regulatory Factor X (RFX) DAF-19M Module: A Shift From General Ciliogenesis to Ciliary and Behavioral Specialization. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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2015	H3K27 modifiers regulate lifespan in <i>C. elegans</i> in a context-dependent manner. <i>BMC Biology</i> , 2021, 19, 59.	1.7	17
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2038	The Integrin Signaling Network Promotes Axon Regeneration via the Src-Ephexin-RhoA GTPase Signaling Axis. <i>Journal of Neuroscience</i> , 2021, 41, 4754-4767.	1.7	15
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2062	Formation of artificial chromosomes in <i>Caenorhabditis elegans</i> and analyses of their segregation in mitosis, DNA sequence composition and holocentromere organization. <i>Nucleic Acids Research</i> , 2021, 49, 9174-9193.	6.5	13
2063	Guanylate cyclases link serotonergic signaling to modulate ethanol-induced food intake in <i>C. elegans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2021, 567, 29-34.	1.0	1
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2071	Microinjection for precision genome editing in <i>Caenorhabditis elegans</i> . <i>STAR Protocols</i> , 2021, 2, 100748.	0.5	52
2073	Imaging of Actin Cytoskeletal Integrity During Aging in <i>C. elegans</i> . <i>Methods in Molecular Biology</i> , 2022, 2364, 101-137.	0.4	5
2074	Identification of essential genes in <i>Caenorhabditis elegans</i> through whole-genome sequencing of legacy mutant collections. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	6
2076	Gene expression profiling of epidermal cell types in <i>C. elegans</i> using Targeted DamID. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	11
2077	Screening by deep sequencing reveals mediators of microRNA tailing in <i>C. elegans</i> . <i>Nucleic Acids Research</i> , 2021, 49, 11167-11180.	6.5	16
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2080	Stress-Induced Neural Plasticity Mediated by Glial GPCR REMO-1 Promotes <i>C. elegans</i> Adaptive Behavior. <i>Cell Reports</i> , 2021, 34, 108607.	2.9	10
2081	Neuronal Cell Death in <i>C. elegans</i> . , 1999, , 123-144.		2
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2086	Germline Transformation of <i>Caenorhabditis elegans</i> by Injection. <i>Methods in Molecular Biology</i> , 2009, 518, 123-133.	0.4	33
2087	Transgenesis in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2009, 561, 21-39.	0.4	23
2088	Alternatives to Mammalian Pain Models 1: Use of <i>C. elegans</i> for the Study of Volatile Anesthetics. <i>Methods in Molecular Biology</i> , 2010, 617, 1-17.	0.4	2
2089	Expression Pattern Analysis of Regulatory Transcription Factors in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2012, 786, 21-50.	0.4	8
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2091	Contributions of Cell Death to Aging in <i>C. elegans</i> . <i>Results and Problems in Cell Differentiation</i> , 2000, 29, 113-129.	0.2	3
2092	Genetic Transformation of the Moss <i>Physcomitrella patens</i> . <i>Biotechnology in Agriculture and Forestry</i> , 1994, , 349-364.	0.2	22
2093	Transgenic Nematodes as Biosensors of Environmental Stress. <i>Focus on Biotechnology</i> , 2002, , 221-236.	0.4	1
2094	Genetic and Molecular Strategies for the Cloning of (A)Virulence Genes in Sedentary Plant-Parasitic Nematodes. <i>Developments in Plant Pathology</i> , 1997, , 167-175.	0.1	4
2095	Specification of Neuronal Identity in <i>Caenorhabditis elegans</i> . , 1992, , 1-43.		6
2096	Ciliary Tip Signaling Compartment Is Formed and Maintained by Intraflagellar Transport. <i>Current Biology</i> , 2020, 30, 4299-4306.e5.	1.8	25
2097	Structure and expression of a novel, neuronal protein kinase C (PKC1B) from <i>Caenorhabditis elegans</i> . PKC1B is expressed selectively in neurons that receive, transmit, and process environmental signals.. <i>Journal of Biological Chemistry</i> , 1994, 269, 9234-9244.	1.6	55
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2186	A sperm-supplied factor required for embryogenesis in <i>C. elegans</i> . Development (Cambridge), 1996, 122, 391-404.	1.2	96
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2188	<i>cdh-3</i> , a gene encoding a member of the cadherin superfamily, functions in epithelial cell morphogenesis in <i>Caenorhabditis elegans</i> . Development (Cambridge), 1996, 122, 4149-4157.	1.2	95
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2192	Stage-specific accumulation of the terminal differentiation factor LIN-29 during <i>Caenorhabditis elegans</i> development. <i>Development (Cambridge)</i> , 1996, 122, 2517-2527.	1.2	100
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2197	Genes that guide growth cones along the <i>C. elegans</i> ventral nerve cord. <i>Development (Cambridge)</i> , 1997, 124, 2571-2580.	1.2	63
2198	The role of <i>lin-22</i> , a <i>hairy/Enhancer of split</i> homolog, in patterning the peripheral nervous system of <i>C. elegans</i> . <i>Development (Cambridge)</i> , 1997, 124, 2875-2888.	1.2	59
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2202	The terminal differentiation factor LIN-29 is required for proper vulval morphogenesis and egg laying in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 1997, 124, 4333-4342.	1.2	34
2203	SUP-17, a <i>Caenorhabditis elegans</i> ADAM protein related to <i>Drosophila</i> KUZBANIAN, and its role in LIN-12/NOTCH signalling. <i>Development (Cambridge)</i> , 1997, 124, 4759-4767.	1.2	139
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2205	The <i>C. elegans</i> MEX-1 protein is present in germline blastomeres and is a P granule component. <i>Development (Cambridge)</i> , 1997, 124, 731-739.	1.2	118
2206	A genetic pathway for regulation of <i>tra-2</i> translation. <i>Development (Cambridge)</i> , 1997, 124, 749-758.	1.2	43
2207	Germ-line tumor formation caused by activation of <i>glp-1</i> , a <i>Caenorhabditis elegans</i> member of the <i>Notch</i> family of receptors. <i>Development (Cambridge)</i> , 1997, 124, 925-936.	1.2	236

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2209	The Groucho-like transcription factor UNC-37 functions with the neural specificity gene <i>unc-4</i> to govern motor neuron identity in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 1997, 124, 1699-1709.	1.2	100
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2212	Chromatin silencing and the maintenance of a functional germline in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 1998, 125, 2451-2456.	1.2	227
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2215	LIN-12 protein expression and localization during vulval development in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 1998, 125, 3101-3109.	1.2	56
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2219	A highly conserved centrosomal kinase, AIR-1, is required for accurate cell cycle progression and segregation of developmental factors in <i>Caenorhabditis elegans</i> embryos. <i>Development (Cambridge)</i> , 1998, 125, 4391-4402.	1.2	164
2220	<i>Caenorhabditis elegans lin-25</i> : cellular focus, protein expression and requirement for <i>sur-2</i> during induction of vulval fates. <i>Development (Cambridge)</i> , 1998, 125, 4809-4819.	1.2	17
2221	Anterior-posterior patterning within the <i>Caenorhabditis elegans</i> endoderm. <i>Development (Cambridge)</i> , 1998, 125, 4877-4887.	1.2	35
2222	Muscle and nerve-specific regulation of a novel NK-2 class homeodomain factor in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 1998, 125, 421-429.	1.2	83
2223	EGL-17(FGF) expression coordinates the attraction of the migrating sex myoblasts with vulval induction in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 1998, 125, 1083-1093.	1.2	177
2224	<i>unc-3</i> , a gene required for axonal guidance in <i>Caenorhabditis elegans</i> , encodes a member of the O/E family of transcription factors. <i>Development (Cambridge)</i> , 1998, 125, 1561-1568.	1.2	139
2225	PAR-6 is a conserved PDZ domain-containing protein that colocalizes with PAR-3 in <i>Caenorhabditis elegans</i> embryos. <i>Development (Cambridge)</i> , 1999, 126, 127-135.	1.2	256

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2227	A Wnt signaling pathway controls Hox gene expression and neuroblast migration in <i>C. elegans</i> . <i>Development</i> (Cambridge), 1999, 126, 37-49.	1.2	214
2228	The <i>C. elegans</i> homeodomain gene <i>unc-42</i> regulates chemosensory and glutamate receptor expression. <i>Development</i> (Cambridge), 1999, 126, 2241-2251.	1.2	47
2229	The <i>Caenorhabditis elegans</i> genes <i>egl-27</i> and <i>egr-1</i> are similar to MTA1, a member of a chromatin regulatory complex, and are redundantly required for embryonic patterning. <i>Development</i> (Cambridge), 1999, 126, 2483-2494.	1.2	104
2230	SDQR migrations in <i>Caenorhabditis elegans</i> are controlled by multiple guidance cues and changing responses to netrin UNC-6. <i>Development</i> (Cambridge), 1999, 126, 3881-3890.	1.2	29
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2232	Specificity of TGF $\beta$ signaling is conferred by distinct type I receptors and their associated SMAD proteins in <i>Caenorhabditis elegans</i> . <i>Development</i> (Cambridge), 1999, 126, 251-260.	1.2	123
2233	Control of DAF-7 TGF $\beta$ expression and neuronal process development by a receptor tyrosine kinase KIN-8 in <i>Caenorhabditis elegans</i> . <i>Development</i> (Cambridge), 1999, 126, 5387-5398.	1.2	46
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2456	Kinesin-II Motors Differentially Impact Biogenesis of Distinct Extracellular Vesicle Subpopulations Shed From Sensory Cilia. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
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2460	Forgetting generates a novel state that is reactivatable. <i>Science Advances</i> , 2022, 8, eabi9071.	4.7	9
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2468	Activation of the CaMKII-Sarm1-ASK1-p38 MAP kinase pathway protects against axon degeneration caused by loss of mitochondria. <i>ELife</i> , 2022, 11, .	2.8	18
2469	Loss of intermediate filament $\alpha$ -IFB reduces mobility, density, and physiological function of mitochondria in <i>Caenorhabditis elegans</i> sensory neurons. <i>Traffic</i> , 2022, 23, 270-286.	1.3	1
2470	Characterization of phalloidin-negative nuclear actin filaments in <i>U2OS</i> cells expressing cytoplasmic actin-GFP. <i>Genes To Cells</i> , 2022, 27, 317-330.	0.5	6
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2474	Small RNAs couple embryonic developmental programs to gut microbes. <i>Science Advances</i> , 2022, 8, eabl7663.	4.7	4

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2479	Concatenation of Transgenic DNA: Random or Orchestrated?. <i>Genes</i> , 2021, 12, 1969.	1.0	6
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2525	Proteotoxic stress disrupts epithelial integrity by inducing MTOR sequestration and autophagy overactivation. <i>Autophagy</i> , 2023, 19, 241-255.	4.3	1
2526	Differential modulation of <i>C. elegans</i> motor behavior by NALCN and two-pore domain potassium channels. <i>PLoS Genetics</i> , 2022, 18, e1010126.	1.5	4
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2532	Mosaic gene expression analysis of semaphorin-plexin interactions in <i>Caenorhabditis elegans</i> using the <i>IR-LEGO</i> single-cell gene induction system. <i>Development Growth and Differentiation</i> , 2022, 64, 230-242.	0.6	3
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