

Oliver Hobert

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6048866/publications.pdf>

Version: 2024-02-01

211
papers

20,173
citations

10956

71
h-index

14702

127
g-index

336
all docs

336
docs citations

336
times ranked

15894
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Regulation by Transcription Factors and MicroRNAs. <i>Science</i> , 2008, 319, 1785-1786.	6.0	842
2	A microRNA controlling left/right neuronal asymmetry in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2003, 426, 845-849.	13.7	707
3	PCR Fusion-Based Approach to Create Reporter Gene Constructs for Expression Analysis in Transgenic <i>C. elegans</i> . <i>BioTechniques</i> , 2002, 32, 728-730.	0.8	589
4	Ezh2 controls B cell development through histone H3 methylation and Igh rearrangement. <i>Nature Immunology</i> , 2003, 4, 124-131.	7.0	548
5	Whole-animal connectomes of both <i>Caenorhabditis elegans</i> sexes. <i>Nature</i> , 2019, 571, 63-71.	13.7	534
6	Starvation-Induced Transgenerational Inheritance of Small RNAs in <i>C. elegans</i> . <i>Cell</i> , 2014, 158, 277-287.	13.5	448
7	Functions of LIM-homeobox genes. <i>Trends in Genetics</i> , 2000, 16, 75-83.	2.9	447
8	Perfect seed pairing is not a generally reliable predictor for miRNA-target interactions. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 849-851.	3.6	391
9	Functional mapping of neurons that control locomotory behavior in <i>Caenorhabditis elegans</i> . <i>Journal of Neurobiology</i> , 2003, 56, 178-197.	3.7	357
10	Molecular topography of an entire nervous system. <i>Cell</i> , 2021, 184, 4329-4347.e23.	13.5	328
11	MicroRNAs act sequentially and asymmetrically to control chemosensory laterality in the nematode. <i>Nature</i> , 2004, 430, 785-789.	13.7	319
12	The Molecular Diversity of Glycosaminoglycans Shapes Animal Development. <i>Annual Review of Cell and Developmental Biology</i> , 2006, 22, 375-407.	4.0	317
13	Transgenerational Inheritance of an Acquired Small RNA-Based Antiviral Response in <i>C. elegans</i> . <i>Cell</i> , 2011, 147, 1248-1256.	13.5	316
14	CloudMap: A Cloud-Based Pipeline for Analysis of Mutant Genome Sequences. <i>Genetics</i> , 2012, 192, 1249-1269.	1.2	281
15	A cellular and regulatory map of the cholinergic nervous system of <i>C. elegans</i> . <i>ELife</i> , 2015, 4, .	2.8	279
16	Ultrastructural Features of the Adult Hermaphrodite Gonad of <i>Caenorhabditis elegans</i> : Relations between the Germ Line and Soma. <i>Developmental Biology</i> , 1999, 212, 101-123.	0.9	278
17	The Taxonomy of Developmental Control in <i>Caenorhabditis elegans</i> . , 1998, 282, 2033-2041.		275
18	A regulatory cascade of three homeobox genes, <i>ceh-10</i> , <i>ttx-3</i> and <i>ceh-23</i> , controls cell fate specification of a defined interneuron class in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2001, 128, 1951-1969.	1.2	261

#	ARTICLE	IF	CITATIONS
19	Modular Control of Glutamatergic Neuronal Identity in <i>C.Âelegans</i> by Distinct Homeodomain Proteins. <i>Cell</i> , 2013, 155, 659-673.	13.5	260
20	MicroRNAs acting in a double-negative feedback loop to control a neuronal cell fate decision. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 12449-12454.	3.3	251
21	Regulation of Interneuron Function in the <i>C. elegans</i> Thermoregulatory Pathway by the <i>ttx-3</i> LIM Homeobox Gene. <i>Neuron</i> , 1997, 19, 345-357.	3.8	250
22	Regulatory logic of neuronal diversity: Terminal selector genes and selector motifs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20067-20071.	3.3	242
23	Differential Sulfations and Epimerization Define Heparan Sulfate Specificity in Nervous System Development. <i>Neuron</i> , 2004, 41, 723-736.	3.8	236
24	<i>C. elegans</i> Mutant Identification with a One-Step Whole-Genome-Sequencing and SNP Mapping Strategy. <i>PLoS ONE</i> , 2010, 5, e15435.	1.1	229
25	Genomic cis-Regulatory Architecture and trans-Acting Regulators of a Single Interneuron-Specific Gene Battery in <i>C. elegans</i> . <i>Developmental Cell</i> , 2004, 6, 757-770.	3.1	220
26	Gene regulatory logic of dopamine neuron differentiation. <i>Nature</i> , 2009, 458, 885-889.	13.7	220
27	The neuronal genome of <i>Caenorhabditis elegans</i> . <i>WormBook</i> , 2013, , 1-106.	5.3	220
28	Left-â€right asymmetry in the nervous system: the <i>Caenorhabditis elegans</i> model. <i>Nature Reviews Neuroscience</i> , 2002, 3, 629-640.	4.9	219
29	Direct Conversion of <i>C. elegans</i> Germ Cells into Specific Neuron Types. <i>Science</i> , 2011, 331, 304-308.	6.0	219
30	LIM homeobox gene-dependent expression of biogenic amine receptors in restricted regions of the <i>C. elegans</i> nervous system. <i>Developmental Biology</i> , 2003, 263, 81-102.	0.9	215
31	<i>Caenorhabditis elegans</i> mutant allele identification by whole-genome sequencing. <i>Nature Methods</i> , 2008, 5, 865-867.	9.0	214
32	A Conserved LIM Protein That Affects Muscular Adherens Junction Integrity and Mechanosensory Function in <i>Caenorhabditis elegans</i> . <i>Journal of Cell Biology</i> , 1999, 144, 45-57.	2.3	197
33	NEWINSIGHTS INTO THE DIVERSITY AND FUNCTION OF NEURONAL IMMUNOGLOBULIN SUPERFAMILY MOLECULES. <i>Annual Review of Neuroscience</i> , 2003, 26, 207-238.	5.0	197
34	Regulation of Terminal Differentiation Programs in the Nervous System. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 681-696.	4.0	192
35	Common logic of transcription factor and microRNA action. <i>Trends in Biochemical Sciences</i> , 2004, 29, 462-468.	3.7	186
36	Terminal Selectors of Neuronal Identity. <i>Current Topics in Developmental Biology</i> , 2016, 116, 455-475.	1.0	184

#	ARTICLE	IF	CITATIONS
37	Coordinated regulation of cholinergic motor neuron traits through a conserved terminal selector gene. <i>Nature Neuroscience</i> , 2012, 15, 205-214.	7.1	170
38	A transcriptional regulatory cascade that controls left/right asymmetry in chemosensory neurons of <i>C. elegans</i> . <i>Genes and Development</i> , 2003, 17, 2123-2137.	2.7	161
39	A Toolkit and Robust Pipeline for the Generation of Fosmid-Based Reporter Genes in <i>C. elegans</i> . <i>PLoS ONE</i> , 2009, 4, e4625.	1.1	160
40	Molecular architecture of a miRNA-regulated 3' UTR. <i>Rna</i> , 2008, 14, 1297-1317.	1.6	156
41	Heparan sulfate proteoglycan-dependent induction of axon branching and axon misrouting by the Kallmann syndrome gene <i>kal-1</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6346-6351.	3.3	155
42	Maintenance of postmitotic neuronal cell identity. <i>Nature Neuroscience</i> , 2014, 17, 899-907.	7.1	155
43	The molecular signature and cis-regulatory architecture of a <i>C. elegans</i> gustatory neuron. <i>Genes and Development</i> , 2007, 21, 1653-1674.	2.7	151
44	Behavioral plasticity in <i>C. elegans</i> : Paradigms, circuits, genes. <i>Journal of Neurobiology</i> , 2003, 54, 203-223.	3.7	148
45	A <i>C. elegans</i> CLIC-like Protein Required for Intracellular Tube Formation and Maintenance. <i>Science</i> , 2003, 302, 2134-2137.	6.0	146
46	Regulatory Logic of Pan-Neuronal Gene Expression in <i>C. elegans</i> . <i>Neuron</i> , 2015, 87, 733-750.	3.8	139
47	A cellular and regulatory map of the GABAergic nervous system of <i>C. elegans</i> . <i>ELife</i> , 2016, 5, .	2.8	139
48	Neuronal identity control by terminal selectors in worms, flies, and chordates. <i>Current Opinion in Neurobiology</i> , 2019, 56, 97-105.	2.0	139
49	Plasticity of the Electrical Connectome of <i>C. elegans</i> . <i>Cell</i> , 2019, 176, 1174-1189.e16.	13.5	136
50	NeuroPAL: A Multicolor Atlas for Whole-Brain Neuronal Identification in <i>C. elegans</i> . <i>Cell</i> , 2021, 184, 272-288.e11.	13.5	132
51	Control of Neural Development and Function in a Thermoregulatory Network by the LIM Homeobox Gene <i>lin-11</i> . <i>Journal of Neuroscience</i> , 1998, 18, 2084-2096.	1.7	119
52	Removal of Polycomb Repressive Complex 2 Makes <i>C. elegans</i> Germ Cells Susceptible to Direct Conversion into Specific Somatic Cell Types. <i>Cell Reports</i> , 2012, 2, 1178-1186.	2.9	119
53	Searching for Neuronal Left/Right Asymmetry: Genomewide Analysis of Nematode Receptor-Type Guanylyl Cyclases. <i>Genetics</i> , 2006, 173, 131-149.	1.2	115
54	A Conserved Postsynaptic Transmembrane Protein Affecting Neuromuscular Signaling in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2004, 24, 2191-2201.	1.7	114

#	ARTICLE	IF	CITATIONS
55	Immunoglobulin-Domain Proteins Required for Maintenance of Ventral Nerve Cord Organization. <i>Science</i> , 2002, 295, 686-690.	6.0	110
56	Sex-specific pruning of neuronal synapses in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2016, 533, 206-211.	13.7	109
57	Unique homeobox codes delineate all the neuron classes of <i>C. elegans</i> . <i>Nature</i> , 2020, 584, 595-601.	13.7	108
58	Hypoxia activates a latent circuit for processing gustatory information in <i>C. elegans</i> . <i>Nature Neuroscience</i> , 2010, 13, 610-614.	7.1	106
59	The molecular and gene regulatory signature of a neuron. <i>Trends in Neurosciences</i> , 2010, 33, 435-445.	4.2	104
60	Early Embryonic Programming of Neuronal Left/Right Asymmetry in <i>C. elegans</i> . <i>Current Biology</i> , 2006, 16, 2279-2292.	1.8	101
61	Lateralized Gustatory Behavior of <i>C. elegans</i> Is Controlled by Specific Receptor-Type Guanylyl Cyclases. <i>Current Biology</i> , 2009, 19, 996-1004.	1.8	101
62	Reporter gene fusions. <i>WormBook</i> , 2006, , 1-23.	5.3	99
63	An Interneuronal Chemoreceptor Required for Olfactory Imprinting in <i>C. elegans</i> . <i>Science</i> , 2005, 309, 787-790.	6.0	96
64	Oxygen levels affect axon guidance and neuronal migration in <i>Caenorhabditis elegans</i> . <i>Nature Neuroscience</i> , 2008, 11, 894-900.	7.1	96
65	The LIM and POU homeobox genes <i>ttx-3</i> and <i>unc-86</i> act as terminal selectors in distinct cholinergic and serotonergic neuron types. <i>Development (Cambridge)</i> , 2014, 141, 422-435.	1.2	93
66	An atlas of <i>Caenorhabditis elegans</i> chemoreceptor expression. <i>PLoS Biology</i> , 2018, 16, e2004218.	2.6	93
67	Differential Functions of the <i>C. elegans</i> FGF Receptor in Axon Outgrowth and Maintenance of Axon Position. <i>Neuron</i> , 2004, 42, 367-374.	3.8	91
68	Neurogenesis in the nematode <i>Caenorhabditis elegans</i> . <i>WormBook</i> , 2010, , 1-24.	5.3	89
69	Two Neuronal, Nuclear-Localized RNA Binding Proteins Involved in Synaptic Transmission. <i>Current Biology</i> , 2003, 13, 1317-1323.	1.8	88
70	Analysis of Multiple Ethyl Methanesulfonate-Mutagenized <i>Caenorhabditis elegans</i> Strains by Whole-Genome Sequencing. <i>Genetics</i> , 2010, 185, 417-430.	1.2	88
71	A map of terminal regulators of neuronal identity in <i>Caenorhabditis elegans</i> . <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 474-498.	5.9	88
72	MAQGene: software to facilitate <i>C. elegans</i> mutant genome sequence analysis. <i>Nature Methods</i> , 2009, 6, 549-549.	9.0	86

#	ARTICLE	IF	CITATIONS
73	Revisiting Neuronal Cell Type Classification in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2016, 26, R1197-R1203.	1.8	86
74	Linking Asymmetric Cell Division to the Terminal Differentiation Program of Postmitotic Neurons in <i>C. elegans</i> . <i>Developmental Cell</i> , 2009, 16, 563-575.	3.1	85
75	The CeNGEN Project: The Complete Gene Expression Map of an Entire Nervous System. <i>Neuron</i> , 2018, 99, 430-433.	3.8	85
76	Chloride intracellular channel 4 is involved in endothelial proliferation and morphogenesis in vitro. <i>Angiogenesis</i> , 2009, 12, 209-220.	3.7	83
77	Automated screening for mutants affecting dopaminergic-neuron specification in <i>C. elegans</i> . <i>Nature Methods</i> , 2008, 5, 869-872.	9.0	81
78	Neurexin controls plasticity of a mature, sexually dimorphic neuron. <i>Nature</i> , 2018, 553, 165-170.	13.7	76
79	The <i>lin-11</i> LIM homeobox gene specifies olfactory and chemosensory neuron fates in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2001, 128, 3269-3281.	1.2	76
80	<i>Caenorhabditis elegans</i> ABL-1 antagonizes p53-mediated germline apoptosis after ionizing irradiation. <i>Nature Genetics</i> , 2004, 36, 906-912.	9.4	74
81	A combinatorial regulatory signature controls terminal differentiation of the dopaminergic nervous system in <i>C. elegans</i> . <i>Genes and Development</i> , 2013, 27, 1391-1405.	2.7	74
82	Diversification of <i>C. elegans</i> Motor Neuron Identity via Selective Effector Gene Repression. <i>Neuron</i> , 2017, 93, 80-98.	3.8	74
83	Embryonic Priming of a miRNA Locus Predetermines Postmitotic Neuronal Left/Right Asymmetry in <i>C. elegans</i> . <i>Cell</i> , 2012, 151, 1229-1242.	13.5	72
84	miRNAs Play a Tune. <i>Cell</i> , 2007, 131, 22-24.	13.5	71
85	PHYTOCHROME C Is an Essential Light Receptor for Photoperiodic Flowering in the Temperate Grass, <i>Brachypodium distachyon</i> . <i>Genetics</i> , 2014, 198, 397-408.	1.2	70
86	Coordinated control of terminal differentiation and restriction of cellular plasticity. <i>ELife</i> , 2017, 6, .	2.8	70
87	Sexually Dimorphic Differentiation of a <i>C. elegans</i> Hub Neuron Is Cell Autonomously Controlled by a Conserved Transcription Factor. <i>Current Biology</i> , 2017, 27, 199-209.	1.8	69
88	BRN3-type POU Homeobox Genes Maintain the Identity of Mature Postmitotic Neurons in Nematodes and Mice. <i>Current Biology</i> , 2018, 28, 2813-2823.e2.	1.8	69
89	Isolation and developmental expression analysis of <i>Enx-1</i> , a novel mouse Polycomb group gene. <i>Mechanisms of Development</i> , 1996, 55, 171-184.	1.7	66
90	Spatiotemporal control of a novel synaptic organizer molecule. <i>Nature</i> , 2015, 523, 83-87.	13.7	66

#	ARTICLE	IF	CITATIONS
91	Extracellular Sugar Modifications Provide Instructive and Cell-Specific Information for Axon-Guidance Choices. <i>Current Biology</i> , 2008, 18, 1978-1985.	1.8	64
92	Development of left/right asymmetry in the <i>Caenorhabditis elegans</i> nervous system: From zygote to postmitotic neuron. <i>Genesis</i> , 2014, 52, 528-543.	0.8	64
93	Transcriptional Control of the Terminal Fate of Monoaminergic Neurons. <i>Annual Review of Neuroscience</i> , 2011, 34, 153-184.	5.0	63
94	Specification of the nervous system. <i>WormBook</i> , 2005, , 1-19.	5.3	63
95	Cis-regulatory mechanisms of left/right asymmetric neuron-subtype specification in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2009, 136, 147-160.	1.2	62
96	Transcriptional Coordination of Synaptogenesis and Neurotransmitter Signaling. <i>Current Biology</i> , 2015, 25, 1282-1295.	1.8	62
97	Genetic Screens for <i>Caenorhabditis elegans</i> Mutants Defective in Left/Right Asymmetric Neuronal Fate Specification. <i>Genetics</i> , 2007, 176, 2109-2130.	1.2	60
98	Expansion microscopy of <i>C. elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	59
99	Architecture of a MicroRNA-controlled Gene Regulatory Network That Diversifies Neuronal Cell Fates. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 181-188.	2.0	58
100	Functional dissection of the <i>C. elegans</i> cell adhesion molecule SAX-7, a homologue of human L1. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 56-68.	1.0	54
101	Temporal and Spatial Regulation of MicroRNA Activity with Photoactivatable Cantimirs. <i>ACS Chemical Biology</i> , 2011, 6, 1332-1338.	1.6	54
102	Characterization of <i>Caenorhabditis elegans</i> Homologs of the Down Syndrome Candidate Gene DYRK1A. <i>Genetics</i> , 2003, 163, 571-580.	1.2	54
103	Evolution of neuronal anatomy and circuitry in two highly divergent nematode species. <i>ELife</i> , 2019, 8, .	2.8	53
104	The Impact of Whole Genome Sequencing on Model System Genetics: Get Ready for the Ride. <i>Genetics</i> , 2010, 184, 317-319.	1.2	51
105	A Neurotransmitter Atlas of the <i>Caenorhabditis elegans</i> Male Nervous System Reveals Sexually Dimorphic Neurotransmitter Usage. <i>Genetics</i> , 2017, 206, 1251-1269.	1.2	51
106	An unusual Zn-finger/FH2 domain protein controls a left/right asymmetric neuronal fate decision in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2006, 133, 3317-3328.	1.2	47
107	A Novel Eph Receptor-Interacting IgSF Protein Provides <i>C. elegans</i> Motoneurons with Midline Guidepost Function. <i>Current Biology</i> , 2006, 16, 1871-1883.	1.8	46
108	The neurexin superfamily of <i>Caenorhabditis elegans</i> . <i>Gene Expression Patterns</i> , 2011, 11, 144-150.	0.3	46

#	ARTICLE	IF	CITATIONS
109	Homeobox genes and the specification of neuronal identity. <i>Nature Reviews Neuroscience</i> , 2021, 22, 627-636.	4.9	46
110	A novel <i>C. elegans</i> zinc finger transcription factor, <i>Isy-2</i> , required for the cell type-specific expression of the <i>Isy-6</i> microRNA. <i>Development (Cambridge)</i> , 2005, 132, 5451-5460.	1.2	43
111	Mapping Functional Domains of Chloride Intracellular Channel (CLIC) Proteins in Vivo. <i>Journal of Molecular Biology</i> , 2006, 359, 1316-1333.	2.0	43
112	Vector-free DNA constructs improve transgene expression in <i>C. elegans</i> . <i>Nature Methods</i> , 2008, 5, 3-3.	9.0	43
113	A Genome-Wide RNAi Screen for Factors Involved in Neuronal Specification in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2011, 7, e1002109.	1.5	43
114	The <i>C. elegans</i> <i>Tailless/TLX</i> transcription factor <i>nhr-67</i> controls neuronal identity and left/right asymmetric fate diversification. <i>Development (Cambridge)</i> , 2009, 136, 2933-2944.	1.2	42
115	Diverse Functions of MicroRNAs in Nervous System Development. <i>Current Topics in Developmental Biology</i> , 2012, 99, 115-143.	1.0	42
116	Atypical Transcriptional Activation by TCF via a Zic Transcription Factor in <i>C. elegans</i> Neuronal Precursors. <i>Developmental Cell</i> , 2015, 33, 737-745.	3.1	42
117	An intersectional gene regulatory strategy defines subclass diversity of <i>C. elegans</i> motor neurons. <i>ELife</i> , 2017, 6, .	2.8	42
118	Comparing Platforms for <i>C. elegans</i> Mutant Identification Using High-Throughput Whole-Genome Sequencing. <i>PLoS ONE</i> , 2008, 3, e4012.	1.1	40
119	Homeotic Transformations of Neuronal Cell Identities. <i>Trends in Neurosciences</i> , 2015, 38, 751-762.	4.2	40
120	Timing mechanism of sexually dimorphic nervous system differentiation. <i>ELife</i> , 2019, 8, .	2.8	40
121	Lineage programming: navigating through transient regulatory states via binary decisions. <i>Current Opinion in Genetics and Development</i> , 2010, 20, 362-368.	1.5	37
122	Silencing of Repetitive DNA Is Controlled by a Member of an Unusual <i>Caenorhabditis elegans</i> Gene Family. <i>Genetics</i> , 2017, 207, 529-545.	1.2	37
123	Defining Specificity Determinants of cGMP Mediated Gustatory Sensory Transduction in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2013, 194, 885-901.	1.2	36
124	<i>C. elegans</i> <i>SoxB</i> genes are dispensable for embryonic neurogenesis but required for terminal differentiation of specific neuron types. <i>Development (Cambridge)</i> , 2015, 142, 2464-77.	1.2	35
125	A Competition Mechanism for a Homeotic Neuron Identity Transformation in <i>C. elegans</i> . <i>Developmental Cell</i> , 2015, 34, 206-219.	3.1	35
126	Chapter 6 Looking Beyond Development: Maintaining Nervous System Architecture. <i>Current Topics in Developmental Biology</i> , 2009, 87, 175-194.	1.0	34

#	ARTICLE	IF	CITATIONS
127	Postmitotic diversification of olfactory neuron types is mediated by differential activities of the HMC $\hat{\alpha}$ transcription factor SOX $\hat{\alpha}$. EMBO Journal, 2015, 34, 2574-2589.	3.5	34
128	From genes to function: the <i>C. elegans</i> genetic toolbox. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 114-137.	5.9	33
129	Transcription factor autoregulation is required for acquisition and maintenance of neuronal identity. Development (Cambridge), 2019, 146, .	1.2	33
130	Sexually Dimorphic unc-6/Netrin Expression Controls Sex-Specific Maintenance of Synaptic Connectivity. Current Biology, 2018, 28, 623-629.e3.	1.8	32
131	CisOrtho: a program pipeline for genome-wide identification of transcription factor target genes using phylogenetic footprinting. BMC Bioinformatics, 2004, 5, 27.	1.2	31
132	DIG-1, a novel giant protein, non-autonomously mediates maintenance of nervous system architecture. Development (Cambridge), 2006, 133, 3329-3340.	1.2	31
133	The Groucho ortholog UNC-37 interacts with the short Groucho-like protein LSY-22 to control developmental decisions in <i>C. elegans</i> . Development (Cambridge), 2010, 137, 1799-1805.	1.2	31
134	Notch-Dependent Induction of Left/Right Asymmetry in <i>C. elegans</i> Interneurons and Motoneurons. Current Biology, 2011, 21, 1225-1231.	1.8	30
135	The SWI/SNF Chromatin Remodeling Complex Selectively Affects Multiple Aspects of Serotonergic Neuron Differentiation. Genetics, 2013, 194, 189-198.	1.2	30
136	Cis-regulatory Mutations in the <i>Caenorhabditis elegans</i> Homeobox Gene Locus cog-1 Affect Neuronal Development. Genetics, 2009, 181, 1679-1686.	1.2	29
137	Two distinct types of neuronal asymmetries are controlled by the <i>Caenorhabditis elegans</i> zinc finger transcription factor <i>die-1</i> . Genes and Development, 2014, 28, 34-43.	2.7	29
138	Unconventional function of an Achaete-Scute homolog as a terminal selector of nociceptive neuron identity. PLoS Biology, 2018, 16, e2004979.	2.6	29
139	Past experience shapes sexually dimorphic neuronal wiring through monoaminergic signalling. Nature, 2018, 561, 117-121.	13.7	29
140	Identification of spatial and temporal cues that regulate postembryonic expression of axon maintenance factors in the <i>C. elegans</i> ventral nerve cord. Development (Cambridge), 2003, 130, 599-610.	1.2	28
141	Gene Regulation: Enhancers Stepping Out of the Shadow. Current Biology, 2010, 20, R697-R699.	1.8	28
142	The Secreted Immunoglobulin Domain Proteins ZIG-5 and ZIG-8 Cooperate with L1CAM/SAX-7 to Maintain Nervous System Integrity. PLoS Genetics, 2012, 8, e1002819.	1.5	28
143	Brn3/POU-type POU homeobox genes "Paradigmatic regulators of neuronal identity across phylogeny. Wiley Interdisciplinary Reviews: Developmental Biology, 2020, 9, e374.	5.9	28
144	Development and maintenance of neuronal architecture at the ventral midline of <i>C. elegans</i> . Current Opinion in Neurobiology, 2003, 13, 70-78.	2.0	27

#	ARTICLE	IF	CITATIONS
145	Progressive Degeneration of Dopaminergic Neurons through TRP Channel-Induced Cell Death. <i>Journal of Neuroscience</i> , 2014, 34, 5738-5746.	1.7	27
146	The Prop1-like homeobox gene <i>unc-42</i> specifies the identity of synaptically connected neurons. <i>ELife</i> , 2021, 10, .	2.8	27
147	Temporal transitions in the post-mitotic nervous system of <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2021, 600, 93-99.	13.7	27
148	The connectome of the <i>Caenorhabditis elegans</i> pharynx. <i>Journal of Comparative Neurology</i> , 2020, 528, 2767-2784.	0.9	26
149	A Genetic Screen for Neurite Outgrowth Mutants in <i>Caenorhabditis elegans</i> Reveals a New Function for the F-box Ubiquitin Ligase Component LIN-23. <i>Genetics</i> , 2004, 166, 1253-1267.	1.2	25
150	The Small, Secreted Immunoglobulin Protein ZIG-3 Maintains Axon Position in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2009, 183, 917-927.	1.2	24
151	Maintenance of Neuronal Laterality in <i>Caenorhabditis elegans</i> Through MYST Histone Acetyltransferase Complex Components LSX-12, LSX-13 and LIN-49. <i>Genetics</i> , 2010, 186, 1497-1502.	1.2	24
152	Restriction of Cellular Plasticity of Differentiated Cells Mediated by Chromatin Modifiers, Transcription Factors and Protein Kinases. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2287-2302.	0.8	22
153	DAF-16/FoxO and DAF-12/MDR control cellular plasticity both cell-autonomously and via interorgan signaling. <i>PLoS Biology</i> , 2021, 19, e3001204.	2.6	22
154	Ubiquitin-dependent regulation of a conserved DMRT protein controls sexually dimorphic synaptic connectivity and behavior. <i>ELife</i> , 2020, 9, .	2.8	21
155	Modular Organization of <i>Cis</i> -regulatory Control Information of Neurotransmitter Pathway Genes in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2020, 215, 665-681.	1.2	18
156	The enteric nervous system of the <i>C. elegans</i> pharynx is specified by the <i>Sine oculis</i> -like homeobox gene <i>ceh-34</i> . <i>ELife</i> , 2022, 11, .	2.8	18
157	Pax genes in <i>Caenorhabditis elegans</i> : a new twist. <i>Trends in Genetics</i> , 1999, 15, 214-216.	2.9	17
158	Developmental control of lateralized neuron size in the nematode <i>Caenorhabditis elegans</i> . <i>Neural Development</i> , 2010, 5, 33.	1.1	17
159	Questions over the scientific basis of epigenome project. <i>Nature</i> , 2010, 464, 487-487.	13.7	17
160	Nematode nuclear receptors as integrators of sensory information. <i>Current Biology</i> , 2021, 31, 4361-4366.e2.	1.8	17
161	Neuron-type specific regulation of a 3'UTR through redundant and combinatorially acting <i>cis</i> -regulatory elements. <i>Rna</i> , 2010, 16, 349-363.	1.6	16
162	TargetOrtho: A Phylogenetic Footprinting Tool to Identify Transcription Factor Targets. <i>Genetics</i> , 2014, 197, 61-76.	1.2	16

#	ARTICLE	IF	CITATIONS
163	Temporal, Spatial, Sexual and Environmental Regulation of the Master Regulator of Sexual Differentiation in <i>C.Âelegans</i> . <i>Current Biology</i> , 2020, 30, 3604-3616.e3.	1.8	16
164	In silico analysis of the transcriptional regulatory logic of neuronal identity specification throughout the <i>C. elegans</i> nervous system. <i>ELife</i> , 2021, 10, .	2.8	16
165	Robust regulatory architecture of pan-neuronal gene expression. <i>Current Biology</i> , 2022, 32, 1715-1727.e8.	1.8	16
166	Maintaining a memory by transcriptional autoregulation. <i>Current Biology</i> , 2011, 21, R146-R147.	1.8	15
167	Morphological Diversity of <i>C.Âelegans</i> Sensory Cilia Instructed by the Differential Expression of an Immunoglobulin Domain Protein. <i>Current Biology</i> , 2017, 27, 1782-1790.e5.	1.8	15
168	Molecular Mechanisms of Sexually Dimorphic Nervous System Patterning in Flies and Worms. <i>Annual Review of Cell and Developmental Biology</i> , 2021, 37, 519-547.	4.0	13
169	A panel of fluorophore-tagged alleles. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	13
170	Uses of GFP in <i>Caenorhabditis Elegans</i> . <i>Methods of Biochemical Analysis</i> , 2005, 47, 203-226.	0.2	12
171	Developmental Regulation of Whole Cell Capacitance and Membrane Current in Identified Interneurons in <i>C. elegans</i> . <i>Journal of Neurophysiology</i> , 2006, 95, 3665-3673.	0.9	12
172	SLC17A6/7/8 Vesicular Glutamate Transporter Homologs in Nematodes. <i>Genetics</i> , 2020, 214, 163-178.	1.2	11
173	Piecemeal regulation of convergent neuronal lineages by bHLH transcription factors in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 2021, 148, .	1.2	11
174	Wnt asymmetry and the terminal division of neuronal progenitors. <i>Cell Cycle</i> , 2009, 8, 1973-1978.	1.3	10
175	A Left/Right Asymmetric Neuronal Differentiation Program Is Controlled by the <i>Caenorhabditis elegans</i> LSY-27 Zinc-Finger Transcription Factor. <i>Genetics</i> , 2011, 188, 753-759.	1.2	10
176	Microbeam irradiation of <i>C. elegans</i> nematode in microfluidic channels. <i>Radiation and Environmental Biophysics</i> , 2013, 52, 531-537.	0.6	9
177	A <i>Caenorhabditis elegans</i> Zinc Finger Transcription Factor, <i>ztf-6</i> , Required for the Specification of a Dopamine Neuron-Producing Lineage. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 17-26.	0.8	7
178	Nervous System Development: Flies and Worms Converging on Neuron Identity Control. <i>Current Biology</i> , 2018, 28, R1154-R1157.	1.8	7
179	Visualizing the organization and differentiation of the male-specific nervous system of <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2021, 148, .	1.2	7
180	Statistical Atlas of <i>C. elegans</i> Neurons. <i>Lecture Notes in Computer Science</i> , 2020, , 119-129.	1.0	7

#	ARTICLE	IF	CITATIONS
181	The immunoglobulin superfamily in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2004, 131, 2237-2238.	1.2	6
182	A nervous system-specific subnuclear organelle in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2021, 217, 1-17.	1.2	6
183	Temporal transitions in the postembryonic nervous system of the nematode <i>Caenorhabditis elegans</i> : Recent insights and open questions. <i>Seminars in Cell and Developmental Biology</i> , 2023, 142, 67-80.	2.3	6
184	Small Immunoglobulin Domain Proteins at Synapses and the Maintenance of Neuronal Features. <i>Neuron</i> , 2016, 89, 239-241.	3.8	5
185	A novel null allele of gene. <i>MicroPublication Biology</i> , 2018, 2018, .	0.1	5
186	Introduction: Behavioral genetics?The third century. <i>Journal of Neurobiology</i> , 2003, 54, 1-3.	3.7	4
187	Sexual Dimorphism: Mystery Neurons Control Sex-Specific Behavioral Plasticity. <i>Current Biology</i> , 2015, 25, R1170-R1172.	1.8	3
188	Sex-specific pheromone responses in <i>Caenorhabditis elegans</i> . <i>EMBO Reports</i> , 2019, 20, .	2.0	3
189	Demixing Calcium Imaging Data in <i>C. elegans</i> via Deformable Non-negative Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2020, , 14-24.	1.0	3
190	MicroRNAs: All Gone and Then What?. <i>Current Biology</i> , 2005, 15, R387-R389.	1.8	2
191	Development. <i>Current Opinion in Neurobiology</i> , 2010, 20, 2-5.	2.0	2
192	Olfactory Imprinting: A Worm's Memory of Things Past. <i>Current Biology</i> , 2017, 27, R1108-R1110.	1.8	2
193	Neuronal identity specification in the nematode <i>Caenorhabditis elegans</i> . , 2020, , 599-616.		2
194	The field of neurogenetics: where it stands and where it is going. <i>Genetics</i> , 2021, 218, .	1.2	2
195	An isoform-specific allele of the locus. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	2
196	An antibody staining protocol variation for nematodes that adds heat-induced antigen retrieval (HIAR). <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	2
197	Unlike <i>Drosophila elav</i> , the <i>elav</i> orthologue is not panneuronally expressed. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	2
198	The bHLH-PAS gene is expressed in the AVH, not AVJ interneurons. <i>MicroPublication Biology</i> , 2021, 2021, .	0.1	2

#	ARTICLE	IF	CITATIONS
199	Extending Our Experimental Reach: Toolbox Reviews in GENETICS. <i>Genetics</i> , 2012, 192, 1-1.	1.2	1
200	Sexual Dimorphisms in the Nervous System of the Nematode <i>Caenorhabditis elegans</i> . , 2017, , 149-159.		1
201	Soma/Germline Interactions In <i>Caenorhabditis Elegans</i> Gonad. <i>Microscopy and Microanalysis</i> , 1999, 5, 1072-1073.	0.2	0
202	Methods to Study Nervous System Laterality in the <i>Caenorhabditis elegans</i> Model System. <i>Neuromethods</i> , 2017, , 591-608.	0.2	0
203	Editorial overview: Neuronal Identity. <i>Current Opinion in Neurobiology</i> , 2019, 56, iii-iv.	2.0	0
204	The field of neurogenetics: where it stands and where it is going. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	0
205	Molecular mechanisms of maintaining nervous system architecture. <i>FASEB Journal</i> , 2009, 23, 74.3.	0.2	0
206	New alleles of the <i>lin-22</i> /Hairy bHLH transcription factor. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	0
207	Nibbling 405 kb off the X: Viable deletion alleles eliminating 50 protein coding genes, including a chromatin factor involved in neuronal development. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	0
208	A missense mutation separates distinct functions of the Zic-family transcription factor REF-2. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	0
209	A new anterior pharyngeal region specific fluorescent co-transformation marker. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	0
210	an unusual homeobox gene. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	0
211	High-speed, high-content volumetric microscopy with sub-cellular resolution applied to cell-identity resolved <i>C. elegans</i> . , 2022, , .		0