Oliver Hobert

List of Publications by Year
in descending order

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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	Temporal transitions in the postembryonic nervous system of the nematode Caenorhabditis elegans: Recent insights and open questions. Seminars in Cell and Developmental Biology, 2023, 142, 67-80.	2.3	6
2	The enteric nervous system of the C. elegans pharynx is specified by the Sine oculis-like homeobox gene ceh-34. ELife, 2022, 11, .	2.8	18
3	Robust regulatory architecture of pan-neuronal gene expression. Current Biology, 2022, 32, 1715-1727.e8.	1.8	16
4	High-speed, high-content volumetric microscopy with sub-cellular resolution applied to cell-identity resolved C. elegans. , 2022, , .		0
5	NeuroPAL: A Multicolor Atlas for Whole-Brain Neuronal Identification in C.Âelegans. Cell, 2021, 184, 272-288.e11.	13.5	132
6	DAF-16/FoxO and DAF-12/VDR control cellular plasticity both cell-autonomously and via interorgan signaling. PLoS Biology, 2021, 19, e3001204.	2.6	22
7	Piecemeal regulation of convergent neuronal lineages by bHLH transcription factors inCaenorhabditis elegans. Development (Cambridge), 2021, 148, .	1.2	11
8	In silico analysis of the transcriptional regulatory logic of neuronal identity specification throughout the C. elegans nervous system. ELife, 2021, 10, .	2.8	16
9	The Prop1-like homeobox gene unc-42 specifies the identity of synaptically connected neurons. ELife, 2021, 10, .	2.8	27
10	The field of neurogenetics: where it stands and where it is going. Genetics, 2021, 218, .	1.2	2
11	Molecular topography of an entire nervous system. Cell, 2021, 184, 4329-4347.e23.	13.5	328
12	Nematode nuclear receptors as integrators of sensory information. Current Biology, 2021, 31, 4361-4366.e2.	1.8	17
13	Homeobox genes and the specification of neuronal identity. Nature Reviews Neuroscience, 2021, 22, 627-636.	4.9	46
14	Visualizing the organization and differentiation of the male-specific nervous system of C. elegans. Development (Cambridge), 2021, 148, .	1.2	7
15	The field of neurogenetics: where it stands and where it is going. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	0
16	A nervous system-specific subnuclear organelle in Caenorhabditis elegans. Genetics, 2021, 217, 1-17.	1.2	6
17	Molecular Mechanisms of Sexually Dimorphic Nervous System Patterning in Flies and Worms. Annual Review of Cell and Developmental Biology, 2021, 37, 519-547.	4.0	13
18	The bHLH-PAS gene is expressed in the AVH, not AVJ interneurons. MicroPublication Biology, 2021, 2021, .	0.1	2

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19	Temporal transitions in the post-mitotic nervous system of Caenorhabditis elegans. Nature, 2021, 600, 93-99.	13.7	27
20	SLC17A6/7/8 Vesicular Glutamate Transporter Homologs in Nematodes. Genetics, 2020, 214, 163-178.	1.2	11
21	Temporal, Spatial, Sexual and Environmental Regulation of the Master Regulator of Sexual Differentiation in C.Âelegans. Current Biology, 2020, 30, 3604-3616.e3.	1.8	16
22	Unique homeobox codes delineate all the neuron classes of C.Âelegans. Nature, 2020, 584, 595-601.	13.7	108
23	The connectome of the <scp>Caenorhabditis elegans</scp> pharynx. Journal of Comparative Neurology, 2020, 528, 2767-2784.	0.9	26
24	Neuronal identity specification in the nematode Caenorhabditis elegans. , 2020, , 599-616.		2
25	Brn3/POUâ€Vâ€type POU homeobox genesâ€"Paradigmatic regulators of neuronal identity across phylogeny. Wiley Interdisciplinary Reviews: Developmental Biology, 2020, 9, e374.	5.9	28
26	Statistical Atlas of C. elegans Neurons. Lecture Notes in Computer Science, 2020, , 119-129.	1.0	7
27	Demixing Calcium Imaging Data in C. elegans via Deformable Non-negative Matrix Factorization. Lecture Notes in Computer Science, 2020, , 14-24.	1.0	3
28	Modular Organization ofCis-regulatory Control Information of Neurotransmitter Pathway Genes inCaenorhabditis elegans. Genetics, 2020, 215, 665-681.	1.2	18
29	Expansion microscopy of C. elegans. ELife, 2020, 9, .	2.8	59
30	Ubiquitin-dependent regulation of a conserved DMRT protein controls sexually dimorphic synaptic connectivity and behavior. ELife, 2020, 9, .	2.8	21
31	A panel of fluorophore-tagged alleles. MicroPublication Biology, 2020, 2020, .	0.1	13
32	A missense mutation separates distinct functions of the Zic-family transcription factor REF-2. MicroPublication Biology, 2020, 2020, .	0.1	0
33	an unusual homeobox gene. MicroPublication Biology, 2020, 2020, .	0.1	0
34	Whole-animal connectomes of both Caenorhabditis elegans sexes. Nature, 2019, 571, 63-71.	13.7	534
35	Transcription factor autoregulation is required for acquisition and maintenance of neuronal identity. Development (Cambridge), 2019, 146, .	1.2	33
36	Neuronal identity control by terminal selectors in worms, flies, and chordates. Current Opinion in Neurobiology, 2019, 56, 97-105.	2.0	139

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37	Plasticity of the Electrical Connectome of C.Âelegans. Cell, 2019, 176, 1174-1189.e16.	13.5	136
38	Editorial overview: Neuronal Identity. Current Opinion in Neurobiology, 2019, 56, iii-iv.	2.0	0
39	Restriction of Cellular Plasticity of Differentiated Cells Mediated by Chromatin Modifiers, Transcription Factors and Protein Kinases. G3: Genes, Genomes, Genetics, 2019, 9, 2287-2302.	0.8	22
40	Sexâ€specific pheromone responses in Caenorhabditis elegans. EMBO Reports, 2019, 20, .	2.0	3
41	An isoform-specific allele of the locus. MicroPublication Biology, 2019, 2019, .	0.1	2
42	An antibody staining protocol variation for nematodes that adds heat-induced antigen retrieval (HIAR). MicroPublication Biology, 2019, 2019, .	0.1	2
43	Timing mechanism of sexually dimorphic nervous system differentiation. ELife, 2019, 8, .	2.8	40
44	Evolution of neuronal anatomy and circuitry in two highly divergent nematode species. ELife, 2019, 8, .	2.8	53
45	New alleles of the lin-22/Hairy bHLH transcription factor. MicroPublication Biology, 2019, 2019, .	0.1	0
46	Nibbling 405 kb off the X: Viable deletion alleles eliminating 50 protein coding genes, including a chromatin factor involved in neuronal development. MicroPublication Biology, 2019, 2019, .	0.1	0
47	Unlike Drosophila elav, the elav orthologue is not panneuronally expressed. MicroPublication Biology, 2019, 2019, .	0.1	2
48	A new anterior pharyngeal region specific fluorescent co-transformation marker. MicroPublication Biology, 2019, 2019, .	0.1	0
49	Neurexin controls plasticity of a mature, sexually dimorphic neuron. Nature, 2018, 553, 165-170.	13.7	76
50	ACaenorhabditis elegansZinc Finger Transcription Factor,ztf-6, Required for the Specification of a Dopamine Neuron-Producing Lineage. G3: Genes, Genomes, Genetics, 2018, 8, 17-26.	0.8	7
51	Sexually Dimorphic unc-6/Netrin Expression Controls Sex-Specific Maintenance of Synaptic Connectivity. Current Biology, 2018, 28, 623-629.e3.	1.8	32
52	Nervous System Development: Flies and Worms Converging on Neuron Identity Control. Current Biology, 2018, 28, R1154-R1157.	1.8	7
53	Unconventional function of an Achaete-Scute homolog as a terminal selector of nociceptive neuron identity. PLoS Biology, 2018, 16, e2004979.	2.6	29
54	BRN3-type POU Homeobox Genes Maintain the Identity of Mature Postmitotic Neurons in Nematodes and Mice. Current Biology, 2018, 28, 2813-2823.e2.	1.8	69

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55	Past experience shapes sexually dimorphic neuronal wiring through monoaminergic signalling. Nature, 2018, 561, 117-121.	13.7	29
56	The CeNGEN Project: The Complete Gene Expression Map of an Entire Nervous System. Neuron, 2018, 99, 430-433.	3.8	85
57	An atlas of Caenorhabditis elegans chemoreceptor expression. PLoS Biology, 2018, 16, e2004218.	2.6	93
58	A novel null allele of gene. MicroPublication Biology, 2018, 2018, .	0.1	5
59	Sexually Dimorphic Differentiation of a C.Âelegans Hub Neuron Is Cell Autonomously Controlled by a Conserved Transcription Factor. Current Biology, 2017, 27, 199-209.	1.8	69
60	Methods to Study Nervous System Laterality in the Caenorhabditis elegans Model System. Neuromethods, 2017, , 591-608.	0.2	0
61	Diversification of C.Âelegans Motor Neuron Identity via Selective Effector Gene Repression. Neuron, 2017, 93, 80-98.	3.8	74
62	Olfactory Imprinting: A Wormâ€™s Memory of Things Past. Current Biology, 2017, 27, R1108-R1110.	1.8	2
63	Silencing of Repetitive DNA Is Controlled by a Member of an UnusualCaenorhabditis elegansGene Family. Genetics, 2017, 207, 529-545.	1.2	37
64	A Neurotransmitter Atlas of theCaenorhabditis elegansMale Nervous System Reveals Sexually Dimorphic Neurotransmitter Usage. Genetics, 2017, 206, 1251-1269.	1.2	51
65	An intersectional gene regulatory strategy defines subclass diversity of C. elegans motor neurons. ELife, 2017, 6, .	2.8	42
66	Sexual Dimorphisms in the Nervous System of the Nematode Caenorhabditis elegans. , 2017, , 149-159.		1
67	Morphological Diversity of C.Âelegans Sensory Cilia Instructed by the Differential Expression of an Immunoglobulin Domain Protein. Current Biology, 2017, 27, 1782-1790.e5.	1.8	15
68	Coordinated control of terminal differentiation and restriction of cellular plasticity. ELife, 2017, 6, .	2.8	70
69	A cellular and regulatory map of the GABAergic nervous system of C. elegans. ELife, 2016, 5, .	2.8	139
70	Revisiting Neuronal Cell Type Classification in Caenorhabditis elegans. Current Biology, 2016, 26, R1197-R1203.	1.8	86
71	Sex-specific pruning of neuronal synapses in Caenorhabditis elegans. Nature, 2016, 533, 206-211.	13.7	109
72	Terminal Selectors of Neuronal Identity. Current Topics in Developmental Biology, 2016, 116, 455-475.	1.0	184

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73	A map of terminal regulators of neuronal identity in Caenorhabditis elegans. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 474-498.	5.9	88
74	Small Immunoglobulin Domain Proteins at Synapses and the Maintenance of Neuronal Features. Neuron, 2016, 89, 239-241.	3.8	5
75	Postmitotic diversification of olfactory neuron types is mediated by differential activities of the HMG â€box transcription factor SOX â€2. EMBO Journal, 2015, 34, 2574-2589.	3.5	34
76	A cellular and regulatory map of the cholinergic nervous system of C. elegans. ELife, 2015, 4, .	2.8	279
77	Homeotic Transformations of Neuronal Cell Identities. Trends in Neurosciences, 2015, 38, 751-762.	4.2	40
78	Sexual Dimorphism: Mystery Neurons Control Sex-Specific Behavioral Plasticity. Current Biology, 2015, 25, R1170-R1172.	1.8	3
79	Atypical Transcriptional Activation by TCF via a Zic Transcription Factor in C.Âelegans Neuronal Precursors. Developmental Cell, 2015, 33, 737-745.	3.1	42
80	C. elegansSoxB genes are dispensable for embryonic neurogenesis but required for terminal differentiation of specific neuron types. Development (Cambridge), 2015, 142, 2464-77.	1.2	35
81	A Competition Mechanism for a Homeotic Neuron Identity Transformation in C. elegans. Developmental Cell, 2015, 34, 206-219.	3.1	35
82	Spatiotemporal control of a novel synaptic organizer molecule. Nature, 2015, 523, 83-87.	13.7	66
83	Transcriptional Coordination of Synaptogenesis and Neurotransmitter Signaling. Current Biology, 2015, 25, 1282-1295.	1.8	62
84	Regulatory Logic of Pan-Neuronal Gene Expression in C.Âelegans. Neuron, 2015, 87, 733-750.	3.8	139
85	The LIM and POU homeobox genes ttx-3 and unc-86 act as terminal selectors in distinct cholinergic and serotonergic neuron types. Development (Cambridge), 2014, 141, 422-435.	1.2	93
86	Development of left/right asymmetry in the Caenorhabditis elegans nervous system: From zygote to postmitotic neuron. Genesis, 2014, 52, 528-543.	0.8	64
87	PHYTOCHROME C Is an Essential Light Receptor for Photoperiodic Flowering in the Temperate Grass, Brachypodium distachyon. Genetics, 2014, 198, 397-408.	1.2	70
88	Two distinct types of neuronal asymmetries are controlled by the Caenorhabditis elegans zinc finger transcription factor die-1. Genes and Development, 2014, 28, 34-43.	2.7	29
89	Starvation-Induced Transgenerational Inheritance of Small RNAs in C.Âelegans. Cell, 2014, 158, 277-287.	13.5	448
90	Progressive Degeneration of Dopaminergic Neurons through TRP Channel-Induced Cell Death. Journal of Neuroscience, 2014, 34, 5738-5746.	1.7	27

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91	TargetOrtho: A Phylogenetic Footprinting Tool to Identify Transcription Factor Targets. Genetics, 2014, 197, 61-76.	1.2	16
92	Maintenance of postmitotic neuronal cell identity. Nature Neuroscience, 2014, 17, 899-907.	7.1	155
93	Microbeam irradiation of C. elegans nematode in microfluidic channels. Radiation and Environmental Biophysics, 2013, 52, 531-537.	0.6	9
94	Modular Control of Glutamatergic Neuronal Identity in C.Âelegans by Distinct Homeodomain Proteins. Cell, 2013, 155, 659-673.	13.5	260
95	The SWI/SNF Chromatin Remodeling Complex Selectively Affects Multiple Aspects of Serotonergic Neuron Differentiation. Genetics, 2013, 194, 189-198.	1.2	30
96	Defining Specificity Determinants of cGMP Mediated Gustatory Sensory Transduction in Caenorhabditis elegans. Genetics, 2013, 194, 885-901.	1.2	36
97	A combinatorial regulatory signature controls terminal differentiation of the dopaminergic nervous system in C. elegans. Genes and Development, 2013, 27, 1391-1405.	2.7	74
98	The neuronal genome of Caenorhabditis elegans. WormBook, 2013, , 1-106.	5.3	220
99	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
100	Coordinated regulation of cholinergic motor neuron traits through a conserved terminal selector gene. Nature Neuroscience, 2012, 15, 205-214.	7.1	170
101	CloudMap: A Cloud-Based Pipeline for Analysis of Mutant Genome Sequences. Genetics, 2012, 192, 1249-1269.	1.2	281
102	Embryonic Priming of a miRNA Locus Predetermines Postmitotic Neuronal Left/Right Asymmetry in C.Âelegans. Cell, 2012, 151, 1229-1242.	13.5	72
103	Diverse Functions of MicroRNAs in Nervous System Development. Current Topics in Developmental Biology, 2012, 99, 115-143.	1.0	42
104	Removal of Polycomb Repressive Complex 2 Makes C.Âelegans Germ Cells Susceptible to Direct Conversion into Specific Somatic Cell Types. Cell Reports, 2012, 2, 1178-1186.	2.9	119
105	Extending Our Experimental Reach: Toolbox Reviews in GENETICS. Genetics, 2012, 192, 1-1.	1.2	1
106	From genes to function: the C. elegans genetic toolbox. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 114-137.	5.9	33
107	Transcriptional Control of the Terminal Fate of Monoaminergic Neurons. Annual Review of Neuroscience, 2011, 34, 153-184.	5.0	63
108	Regulation of Terminal Differentiation Programs in the Nervous System. Annual Review of Cell and Developmental Biology, 2011, 27, 681-696.	4.0	192

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109	Transgenerational Inheritance of an Acquired Small RNA-Based Antiviral Response in C.Âelegans. Cell, 2011, 147, 1248-1256.	13.5	316
110	Temporal and Spatial Regulation of MicroRNA Activity with Photoactivatable Cantimirs. ACS Chemical Biology, 2011, 6, 1332-1338.	1.6	54
111	A Genome-Wide RNAi Screen for Factors Involved in Neuronal Specification in Caenorhabditis elegans. PLoS Genetics, 2011, 7, e1002109.	1.5	43
112	Maintaining a memory by transcriptional autoregulation. Current Biology, 2011, 21, R146-R147.	1.8	15
113	Notch-Dependent Induction of Left/Right Asymmetry in C.Âelegans Interneurons and Motoneurons. Current Biology, 2011, 21, 1225-1231.	1.8	30
114	The neurexin superfamily of Caenorhabditis elegans. Gene Expression Patterns, 2011, 11, 144-150.	0.3	46
115	Direct Conversion of C. elegans Germ Cells into Specific Neuron Types. Science, 2011, 331, 304-308.	6.0	219
116	A Left/Right Asymmetric Neuronal Differentiation Program Is Controlled by the Caenorhabditis elegans LSY-27 Zinc-Finger Transcription Factor. Genetics, 2011, 188, 753-759.	1.2	10
117	Development. Current Opinion in Neurobiology, 2010, 20, 2-5.	2.0	2
118	Gene Regulation: Enhancers Stepping Out of the Shadow. Current Biology, 2010, 20, R697-R699.	1.8	28
119	Developmental control of lateralized neuron size in the nematode Caenorhabditis elegans. Neural Development, 2010, 5, 33.	1.1	17
120	Questions over the scientific basis of epigenome project. Nature, 2010, 464, 487-487.	13.7	17
121	Hypoxia activates a latent circuit for processing gustatory information in C. elegans. Nature Neuroscience, 2010, 13, 610-614.	7.1	106
122	The Impact of Whole Genome Sequencing on Model System Genetics: Get Ready for the Ride. Genetics, 2010, 184, 317-319.	1.2	51
123	The Groucho ortholog UNC-37 interacts with the short Groucho-like protein LSY-22 to control developmental decisions inC. elegans. Development (Cambridge), 2010, 137, 1799-1805.	1.2	31
124	Maintenance of Neuronal Laterality in Caenorhabditis elegans Through MYST Histone Acetyltransferase Complex Components LSY-12, LSY-13 and LIN-49. Genetics, 2010, 186, 1497-1502.	1.2	24
125	Neuron-type specific regulation of a 3â€²UTR through redundant and combinatorially acting cis-regulatory elements. Rna, 2010, 16, 349-363.	1.6	16
126	Analysis of Multiple Ethyl Methanesulfonate-MutagenizedCaenorhabditis elegansStrains by Whole-Genome Sequencing. Genetics, 2010, 185, 417-430.	1.2	88

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127	Lineage programming: navigating through transient regulatory states via binary decisions. Current Opinion in Genetics and Development, 2010, 20, 362-368.	1.5	37
128	The molecular and gene regulatory signature of a neuron. Trends in Neurosciences, 2010, 33, 435-445.	4.2	104
129	C. elegans Mutant Identification with a One-Step Whole-Genome-Sequencing and SNP Mapping Strategy. PLoS ONE, 2010, 5, e15435.	1.1	229
130	Neurogenesis in the nematode Caenorhabditis elegans. WormBook, 2010, , 1-24.	5.3	89
131	A Toolkit and Robust Pipeline for the Generation of Fosmid-Based Reporter Genes in C. elegans. PLoS ONE, 2009, 4, e4625.	1.1	160
132	Chapter 6 Looking Beyond Development: Maintaining Nervous System Architecture. Current Topics in Developmental Biology, 2009, 87, 175-194.	1.0	34
133	Wnt asymmetry and the terminal division of neuronal progenitors. Cell Cycle, 2009, 8, 1973-1978.	1.3	10
134	TheC. elegansTailless/TLX transcription factornhr-67controls neuronal identity and left/right asymmetric fate diversification. Development (Cambridge), 2009, 136, 2933-2944.	1.2	42
135	Cis-regulatory mechanisms of left/right asymmetric neuron-subtype specification inC. elegans. Development (Cambridge), 2009, 136, 147-160.	1.2	62
136	Cis-regulatory Mutations in the Caenorhabditis elegans Homeobox Gene Locus cog-1 Affect Neuronal Development. Genetics, 2009, 181, 1679-1686.	1.2	29
137	The Small, Secreted Immunoglobulin Protein ZIG-3 Maintains Axon Position in Caenorhabditis elegans. Genetics, 2009, 183, 917-927.	1.2	24
138	Lateralized Gustatory Behavior of C. elegans Is Controlled by Specific Receptor-Type Guanylyl Cyclases. Current Biology, 2009, 19, 996-1004.	1.8	101
139	Chloride intracellular channel 4 is involved in endothelial proliferation and morphogenesis in vitro. Angiogenesis, 2009, 12, 209-220.	3.7	83
140	Gene regulatory logic of dopamine neuron differentiation. Nature, 2009, 458, 885-889.	13.7	220
141	MAQGene: software to facilitate C. elegans mutant genome sequence analysis. Nature Methods, 2009, 6, 549-549.	9.0	86
142	Linking Asymmetric Cell Division to the Terminal Differentiation Program of Postmitotic Neurons in C. elegans. Developmental Cell, 2009, 16, 563-575.	3.1	85
143	Molecular mechanisms of maintaining nervous system architecture. FASEB Journal, 2009, 23, 74.3.	0.2	0
144	Caenorhabditis elegans mutant allele identification by whole-genome sequencing. Nature Methods, 2008, 5, 865-867.	9.0	214

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145	Automated screening for mutants affecting dopaminergic-neuron specification in C. elegans. Nature Methods, 2008, 5, 869-872.	9.0	81
146	Vector-free DNA constructs improve transgene expression in C. elegans. Nature Methods, 2008, 5, 3-3.	9.0	43
147	Oxygen levels affect axon guidance and neuronal migration in Caenorhabditis elegans. Nature Neuroscience, 2008, 11, 894-900.	7.1	96
148	Extracellular Sugar Modifications Provide Instructive and Cell-Specific Information for Axon-Guidance Choices. Current Biology, 2008, 18, 1978-1985.	1.8	64
149	Functional dissection of the C. elegans cell adhesion molecule SAX-7, a homologue of human L1. Molecular and Cellular Neurosciences, 2008, 37, 56-68.	1.0	54
150	Gene Regulation by Transcription Factors and MicroRNAs. Science, 2008, 319, 1785-1786.	6.0	842
151	Regulatory logic of neuronal diversity: Terminal selector genes and selector motifs. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20067-20071.	3.3	242
152	Molecular architecture of a miRNA-regulated 3â€² UTR. Rna, 2008, 14, 1297-1317.	1.6	156
153	Comparing Platforms for C. elegans Mutant Identification Using High-Throughput Whole-Genome Sequencing. PLoS ONE, 2008, 3, e4012.	1.1	40
154	Genetic Screens forCaenorhabditis elegansMutants Defective in Left/Right Asymmetric Neuronal Fate Specification. Genetics, 2007, 176, 2109-2130.	1.2	60
155	The molecular signature and cis-regulatory architecture of a C. elegans gustatory neuron. Genes and Development, 2007, 21, 1653-1674.	2.7	151
156	miRNAs Play a Tune. Cell, 2007, 131, 22-24.	13.5	71
157	The Molecular Diversity of Glycosaminoglycans Shapes Animal Development. Annual Review of Cell and Developmental Biology, 2006, 22, 375-407.	4.0	317
158	Mapping Functional Domains of Chloride Intracellular Channel (CLIC) Proteins in Vivo. Journal of Molecular Biology, 2006, 359, 1316-1333.	2.0	43
159	Developmental Regulation of Whole Cell Capacitance and Membrane Current in Identified Interneurons in C. elegans. Journal of Neurophysiology, 2006, 95, 3665-3673.	0.9	12
160	Architecture of a MicroRNA-controlled Gene Regulatory Network That Diversifies Neuronal Cell Fates. Cold Spring Harbor Symposia on Quantitative Biology, 2006, 71, 181-188.	2.0	58
161	Perfect seed pairing is not a generally reliable predictor for miRNA-target interactions. Nature Structural and Molecular Biology, 2006, 13, 849-851.	3.6	391
162	A Novel Eph Receptor-Interacting IgSF Protein Provides C. elegans MotoneuronsÂwith Midline Guidepost Function. Current Biology, 2006, 16, 1871-1883.	1.8	46

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163	Early Embryonic Programming of Neuronal Left/Right Asymmetry in C. elegans. Current Biology, 2006, 16, 2279-2292.	1.8	101
164	An unusual Zn-finger/FH2 domain protein controls a left/right asymmetric neuronal fate decision in C. elegans. Development (Cambridge), 2006, 133, 3317-3328.	1.2	47
165	Searching for Neuronal Left/Right Asymmetry: Genomewide Analysis of Nematode Receptor-Type Guanylyl Cyclases. Genetics, 2006, 173, 131-149.	1.2	115
166	DIG-1, a novel giant protein, non-autonomously mediates maintenance of nervous system architecture. Development (Cambridge), 2006, 133, 3329-3340.	1.2	31
167	Reporter gene fusions. WormBook, 2006, , 1-23.	5.3	99
168	MicroRNAs: All Gone and Then What?. Current Biology, 2005, 15, R387-R389.	1.8	2
169	A novel C. elegans zinc finger transcription factor, lsy-2, required for the cell type-specific expression of the lsy-6 microRNA. Development (Cambridge), 2005, 132, 5451-5460.	1.2	43
170	Uses of GFP in Caenorhabditis Elegans. Methods of Biochemical Analysis, 2005, 47, 203-226.	0.2	12
171	An Interneuronal Chemoreceptor Required for Olfactory Imprinting in C. elegans. Science, 2005, 309, 787-790.	6.0	96
172	MicroRNAs acting in a double-negative feedback loop to control a neuronal cell fate decision. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12449-12454.	3.3	251
173	Specification of the nervous system. WormBook, 2005, , 1-19.	5.3	63
174	A Genetic Screen for Neurite Outgrowth Mutants in Caenorhabditis elegans Reveals a New Function for the F-box Ubiquitin Ligase Component LIN-23. Genetics, 2004, 166, 1253-1267.	1.2	25
175	The immunoglobulin superfamily in Caenorhabditis elegans and Drosophila melanogaster. Development (Cambridge), 2004, 131, 2237-2238.	1.2	6
176	A Conserved Postsynaptic Transmembrane Protein Affecting Neuromuscular Signaling in Caenorhabditis elegans. Journal of Neuroscience, 2004, 24, 2191-2201.	1.7	114
177	Caenorhabditis elegans ABL-1 antagonizes p53-mediated germline apoptosis after ionizing irradiation. Nature Genetics, 2004, 36, 906-912.	9.4	74
178	MicroRNAs act sequentially and asymmetrically to control chemosensory laterality in the nematode. Nature, 2004, 430, 785-789.	13.7	319
179	Common logic of transcription factor and microRNA action. Trends in Biochemical Sciences, 2004, 29, 462-468.	3.7	186
180	CisOrtho: a program pipeline for genome-wide identification of transcription factor target genes using phylogenetic footprinting. BMC Bioinformatics, 2004, 5, 27.	1.2	31

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181	Genomic cis-Regulatory Architecture and trans-Acting Regulators of a Single Interneuron-Specific Gene Battery in C. elegans. Developmental Cell, 2004, 6, 757-770.	3.1	220
182	Differential Sulfations and Epimerization Define Heparan Sulfate Specificity in Nervous System Development. Neuron, 2004, 41, 723-736.	3.8	236
183	Differential Functions of the C. elegans FGF Receptor in Axon Outgrowth and Maintenance of Axon Position. Neuron, 2004, 42, 367-374.	3.8	91
184	Development and maintenance of neuronal architecture at the ventral midline of C. elegans. Current Opinion in Neurobiology, 2003, 13, 70-78.	2.0	27
185	Two Neuronal, Nuclear-Localized RNA Binding Proteins Involved in Synaptic Transmission. Current Biology, 2003, 13, 1317-1323.	1.8	88
186	Introduction: Behavioral genetics?The third century. Journal of Neurobiology, 2003, 54, 1-3.	3.7	4
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