

Oliver Hobert

List of Publications by Year in Descending Order

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

199
papers

15,124
citations

66
h-index

119
g-index

336
ext. papers

18,354
ext. citations

12.2
avg, IF

7.22
L-index

#	Paper	IF	Citations
199	The bHLH-PAS gene is expressed in the AVH, not AVJ interneurons. <i>MicroPublication Biology</i> , 2021 , 2021,	0.8	1
198	Temporal transitions in the post-mitotic nervous system of <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2021 , 600, 93-99	50.4	1
197	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	12.6	1
196	DAF-16/FoxO and DAF-12/VDR control cellular plasticity both cell-autonomously and via interorgan signaling. <i>PLoS Biology</i> , 2021 , 19, e3001204	9.7	5
195	Piecemeal regulation of convergent neuronal lineages by bHLH transcription factors in <i>Caenorhabditis elegans</i> . <i>Development (Cambridge)</i> , 2021 , 148,	6.6	2
194	In silico analysis of the transcriptional regulatory logic of neuronal identity specification throughout the nervous system. <i>ELife</i> , 2021 , 10,	8.9	4
193	The Prop1-like homeobox gene specifies the identity of synaptically connected neurons. <i>ELife</i> , 2021 , 10,	8.9	7
192	NeuroPAL: A Multicolor Atlas for Whole-Brain Neuronal Identification in <i>C. elegans</i> . <i>Cell</i> , 2021 , 184, 272-288.e138	38.2	138
191	Molecular topography of an entire nervous system. <i>Cell</i> , 2021 , 184, 4329-4347.e23	56.2	42
190	Nematode nuclear receptors as integrators of sensory information. <i>Current Biology</i> , 2021 , 31, 4361-4366.e2	6.2	1
189	Homeobox genes and the specification of neuronal identity. <i>Nature Reviews Neuroscience</i> , 2021 , 22, 627-636	15.5	5
188	A nervous system-specific subnuclear organelle in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2021 , 217, 1-17	4	1
187	The connectome of the <i>Caenorhabditis elegans</i> pharynx. <i>Journal of Comparative Neurology</i> , 2020 , 528, 2767-2784	3.4	8
186	Neuronal identity specification in the nematode <i>Caenorhabditis elegans</i> 2020 , 599-616		1
185	Brn3/POU-IV-type POU homeobox genes-Paradigmatic regulators of neuronal identity across phylogeny. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2020 , 9, e374	5.9	8
184	Modular Organization of -regulatory Control Information of Neurotransmitter Pathway Genes in. <i>Genetics</i> , 2020 , 215, 665-681	4	7
183	A panel of fluorophore-tagged alleles. <i>MicroPublication Biology</i> , 2020 , 2020,	0.8	4

182	Expansion microscopy of. <i>ELife</i> , 2020 , 9,	8.9	25
181	Ubiquitin-dependent regulation of a conserved DMRT protein controls sexually dimorphic synaptic connectivity and behavior. <i>ELife</i> , 2020 , 9,	8.9	4
180	Statistical Atlas of <i>C. elegans</i> Neurons. <i>Lecture Notes in Computer Science</i> , 2020 , 119-129	0.9	1
179	Probabilistic Joint Segmentation and Labeling of <i>C. elegans</i> Neurons. <i>Lecture Notes in Computer Science</i> , 2020 , 130-140	0.9	0
178	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	0.9	3
177	SLC17A6/7/8 Vesicular Glutamate Transporter Homologs in Nematodes. <i>Genetics</i> , 2020 , 214, 163-178	4	6
176	Temporal, Spatial, Sexual and Environmental Regulation of the Master Regulator of Sexual Differentiation in <i>C. elegans</i> . <i>Current Biology</i> , 2020 , 30, 3604-3616.e3	6.3	8
175	Unique homeobox codes delineate all the neuron classes of <i>C. elegans</i> . <i>Nature</i> , 2020 , 584, 595-601	50.4	37
174	Neuronal identity control by terminal selectors in worms, flies, and chordates. <i>Current Opinion in Neurobiology</i> , 2019 , 56, 97-105	7.6	59
173	Plasticity of the Electrical Connectome of <i>C. elegans</i> . <i>Cell</i> , 2019 , 176, 1174-1189.e16	56.2	70
172	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	3.2	8
171	Whole-animal connectomes of both <i>Caenorhabditis elegans</i> sexes. <i>Nature</i> , 2019 , 571, 63-71	50.4	234
170	Transcription factor autoregulation is required for acquisition and maintenance of neuronal identity. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	14
169	An isoform-specific allele of the locus. <i>MicroPublication Biology</i> , 2019 , 2019,	0.8	2
168	An antibody staining protocol variation for nematodes that adds heat-induced antigen retrieval (HIAR). <i>MicroPublication Biology</i> , 2019 , 2019,	0.8	2
167	Unlike <i>Drosophila elav</i> , the <i>elav</i> orthologue is not panneuronally expressed. <i>MicroPublication Biology</i> , 2019 , 2019,	0.8	2
166	Timing mechanism of sexually dimorphic nervous system differentiation. <i>ELife</i> , 2019 , 8,	8.9	23
165	Evolution of neuronal anatomy and circuitry in two highly divergent nematode species. <i>ELife</i> , 2019 , 8,	8.9	28

164	Neurexin controls plasticity of a mature, sexually dimorphic neuron. <i>Nature</i> , 2018 , 553, 165-170	50.4	42
163	A Zinc Finger Transcription Factor, , Required for the Specification of a Dopamine Neuron-Producing Lineage. <i>G3: Genes, Genomes, Genetics</i> , 2018 , 8, 17-26	3.2	2
162	Sexually Dimorphic unc-6/Netrin Expression Controls Sex-Specific Maintenance of Synaptic Connectivity. <i>Current Biology</i> , 2018 , 28, 623-629.e3	6.3	21
161	Unconventional function of an Achaete-Scute homolog as a terminal selector of nociceptive neuron identity. <i>PLoS Biology</i> , 2018 , 16, e2004979	9.7	20
160	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	6.3	35
159	Past experience shapes sexually dimorphic neuronal wiring through monoaminergic signalling. <i>Nature</i> , 2018 , 561, 117-121	50.4	17
158	The CeNGEN Project: The Complete Gene Expression Map of an Entire Nervous System. <i>Neuron</i> , 2018 , 99, 430-433	13.9	30
157	An atlas of <i>Caenorhabditis elegans</i> chemoreceptor expression. <i>PLoS Biology</i> , 2018 , 16, e2004218	9.7	44
156	A novel null allele of gene. <i>MicroPublication Biology</i> , 2018 , 2018,	0.8	1
155	Nervous System Development: Flies and Worms Converging on Neuron Identity Control. <i>Current Biology</i> , 2018 , 28, R1154-R1157	6.3	3
154	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	6.3	40
153	Methods to Study Nervous System Laterality in the <i>Caenorhabditis elegans</i> Model System. <i>Neuromethods</i> , 2017 , 591-608	0.4	
152	Diversification of <i>C. elegans</i> Motor Neuron Identity via Selective Effector Gene Repression. <i>Neuron</i> , 2017 , 93, 80-98	13.9	41
151	Olfactory Imprinting: A Worm's Memory of Things Past. <i>Current Biology</i> , 2017 , 27, R1108-R1110	6.3	1
150	Sexual Dimorphisms in the Nervous System of the Nematode <i>Caenorhabditis elegans</i> 2017 , 149-159		
149	Silencing of Repetitive DNA Is Controlled by a Member of an Unusual Gene Family. <i>Genetics</i> , 2017 , 207, 529-545	4	19
148	A Neurotransmitter Atlas of the Male Nervous System Reveals Sexually Dimorphic Neurotransmitter Usage. <i>Genetics</i> , 2017 , 206, 1251-1269	4	29
147	An intersectional gene regulatory strategy defines subclass diversity of motor neurons. <i>ELife</i> , 2017 , 6,	8.9	15

146	Coordinated control of terminal differentiation and restriction of cellular plasticity. <i>ELife</i> , 2017 , 6,	8.9	48
145	Morphological Diversity of <i>C. elegans</i> Sensory Cilia Instructed by the Differential Expression of an Immunoglobulin Domain Protein. <i>Current Biology</i> , 2017 , 27, 1782-1790.e5	6.3	9
144	Small Immunoglobulin Domain Proteins at Synapses and the Maintenance of Neuronal Features. <i>Neuron</i> , 2016 , 89, 239-41	13.9	4
143	A cellular and regulatory map of the GABAergic nervous system of. <i>ELife</i> , 2016 , 5,	8.9	89
142	Revisiting Neuronal Cell Type Classification in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2016 , 26, R1197-R1203	8.9	55
141	Sex-specific pruning of neuronal synapses in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2016 , 533, 206-11	50.4	68
140	Terminal Selectors of Neuronal Identity. <i>Current Topics in Developmental Biology</i> , 2016 , 116, 455-75	5.3	112
139	A map of terminal regulators of neuronal identity in <i>Caenorhabditis elegans</i> . <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016 , 5, 474-98	5.9	46
138	Atypical Transcriptional Activation by TCF via a Zic Transcription Factor in <i>C. elegans</i> Neuronal Precursors. <i>Developmental Cell</i> , 2015 , 33, 737-45	10.2	32
137	<i>C. elegans</i> SoxB genes are dispensable for embryonic neurogenesis but required for terminal differentiation of specific neuron types. <i>Development (Cambridge)</i> , 2015 , 142, 2464-77	6.6	19
136	A competition mechanism for a homeotic neuron identity transformation in <i>C. elegans</i> . <i>Developmental Cell</i> , 2015 , 34, 206-19	10.2	25
135	Spatiotemporal control of a novel synaptic organizer molecule. <i>Nature</i> , 2015 , 523, 83-7	50.4	38
134	Transcriptional coordination of synaptogenesis and neurotransmitter signaling. <i>Current Biology</i> , 2015 , 25, 1282-95	6.3	40
133	Regulatory Logic of Pan-Neuronal Gene Expression in <i>C. elegans</i> . <i>Neuron</i> , 2015 , 87, 733-50	13.9	84
132	Postmitotic diversification of olfactory neuron types is mediated by differential activities of the HMG-box transcription factor SOX-2. <i>EMBO Journal</i> , 2015 , 34, 2574-89	13	24
131	A cellular and regulatory map of the cholinergic nervous system of <i>C. elegans</i> . <i>ELife</i> , 2015 , 4,	8.9	157
130	Homeotic Transformations of Neuronal Cell Identities. <i>Trends in Neurosciences</i> , 2015 , 38, 751-762	13.3	21
129	Sexual Dimorphism: Mystery Neurons Control Sex-Specific Behavioral Plasticity. <i>Current Biology</i> , 2015 , 25, R1170-2	6.3	0

128	Development of left/right asymmetry in the <i>Caenorhabditis elegans</i> nervous system: from zygote to postmitotic neuron. <i>Genesis</i> , 2014 , 52, 528-43	1.9	47
127	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	4	44
126	Two distinct types of neuronal asymmetries are controlled by the <i>Caenorhabditis elegans</i> zinc finger transcription factor <i>die-1</i> . <i>Genes and Development</i> , 2014 , 28, 34-43	12.6	19
125	Starvation-induced transgenerational inheritance of small RNAs in <i>C. elegans</i> . <i>Cell</i> , 2014 , 158, 277-287	56.2	327
124	Progressive degeneration of dopaminergic neurons through TRP channel-induced cell death. <i>Journal of Neuroscience</i> , 2014 , 34, 5738-46	6.6	20
123	TargetOrtho: a phylogenetic footprinting tool to identify transcription factor targets. <i>Genetics</i> , 2014 , 197, 61-76	4	10
122	Maintenance of postmitotic neuronal cell identity. <i>Nature Neuroscience</i> , 2014 , 17, 899-907	25.5	117
121	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, 422-35	6.6	66
120	Microbeam irradiation of <i>C. elegans</i> nematode in microfluidic channels. <i>Radiation and Environmental Biophysics</i> , 2013 , 52, 531-7	2	7
119	Modular control of glutamatergic neuronal identity in <i>C. elegans</i> by distinct homeodomain proteins. <i>Cell</i> , 2013 , 155, 659-73	56.2	177
118	The SWI/SNF chromatin remodeling complex selectively affects multiple aspects of serotonergic neuron differentiation. <i>Genetics</i> , 2013 , 194, 189-98	4	26
117	Defining specificity determinants of cGMP mediated gustatory sensory transduction in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2013 , 194, 885-901	4	28
116	A combinatorial regulatory signature controls terminal differentiation of the dopaminergic nervous system in <i>C. elegans</i> . <i>Genes and Development</i> , 2013 , 27, 1391-405	12.6	54
115	The neuronal genome of <i>Caenorhabditis elegans</i> . <i>WormBook</i> , 2013 , 1-106		132
114	Embryonic priming of a miRNA locus predetermines postmitotic neuronal left/right asymmetry in <i>C. elegans</i> . <i>Cell</i> , 2012 , 151, 1229-42	56.2	58
113	Diverse functions of microRNAs in nervous system development. <i>Current Topics in Developmental Biology</i> , 2012 , 99, 115-43	5.3	37
112	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, 1178-86	10.6	87
111	From genes to function: the <i>C. elegans</i> genetic toolbox. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2012 , 1, 114-37	5.9	23

110	The secreted immunoglobulin domain proteins ZIG-5 and ZIG-8 cooperate with L1CAM/SAX-7 to maintain nervous system integrity. <i>PLoS Genetics</i> , 2012 , 8, e1002819	6	18
109	CloudMap: a cloud-based pipeline for analysis of mutant genome sequences. <i>Genetics</i> , 2012 , 192, 1249-69	6.9	175
108	Regulation of terminal differentiation programs in the nervous system. <i>Annual Review of Cell and Developmental Biology</i> , 2011 , 27, 681-96	12.6	149
107	Transgenerational inheritance of an acquired small RNA-based antiviral response in <i>C. elegans</i> . <i>Cell</i> , 2011 , 147, 1248-56	56.2	238
106	Temporal and spatial regulation of microRNA activity with photoactivatable cantimirs. <i>ACS Chemical Biology</i> , 2011 , 6, 1332-8	4.9	49
105	A Genome-Wide RNAi Screen for Factors Involved in Neuronal Specification in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2011 , 7, e1002109	6	33
104	Maintaining a memory by transcriptional autoregulation. <i>Current Biology</i> , 2011 , 21, R146-7	6.3	13
103	Notch-dependent induction of left/right asymmetry in <i>C. elegans</i> interneurons and motoneurons. <i>Current Biology</i> , 2011 , 21, 1225-31	6.3	21
102	The neurexin superfamily of <i>Caenorhabditis elegans</i> . <i>Gene Expression Patterns</i> , 2011 , 11, 144-50	1.5	34
101	Transcriptional control of the terminal fate of monoaminergic neurons. <i>Annual Review of Neuroscience</i> , 2011 , 34, 153-84	17	50
100	Direct conversion of <i>C. elegans</i> germ cells into specific neuron types. <i>Science</i> , 2011 , 331, 304-8	33.3	173
99	A left/right asymmetric neuronal differentiation program is controlled by the <i>Caenorhabditis elegans</i> <i>lsy-27</i> zinc-finger transcription factor. <i>Genetics</i> , 2011 , 188, 753-9	4	9
98	Coordinated regulation of cholinergic motor neuron traits through a conserved terminal selector gene. <i>Nature Neuroscience</i> , 2011 , 15, 205-14	25.5	114
97	Questions over the scientific basis of epigenome project. <i>Nature</i> , 2010 , 464, 487	50.4	9
96	Hypoxia activates a latent circuit for processing gustatory information in <i>C. elegans</i> . <i>Nature Neuroscience</i> , 2010 , 13, 610-4	25.5	83
95	The impact of whole genome sequencing on model system genetics: get ready for the ride. <i>Genetics</i> , 2010 , 184, 317-9	4	40
94	The Groucho ortholog UNC-37 interacts with the short Groucho-like protein LSY-22 to control developmental decisions in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2010 , 137, 1799-805	6.6	26
93	Maintenance of neuronal laterality in <i>Caenorhabditis elegans</i> through MYST histone acetyltransferase complex components LSY-12, LSY-13 and LIN-49. <i>Genetics</i> , 2010 , 186, 1497-502	4	19

92	Neuron-type specific regulation of a 3'UTR through redundant and combinatorially acting cis-regulatory elements. <i>Rna</i> , 2010 , 16, 349-63	5.8	16
91	Analysis of multiple ethyl methanesulfonate-mutagenized <i>Caenorhabditis elegans</i> strains by whole-genome sequencing. <i>Genetics</i> , 2010 , 185, 417-30	4	72
90	Lineage programming: navigating through transient regulatory states via binary decisions. <i>Current Opinion in Genetics and Development</i> , 2010 , 20, 362-8	4.9	33
89	The molecular and gene regulatory signature of a neuron. <i>Trends in Neurosciences</i> , 2010 , 33, 435-45	13.3	86
88	Gene regulation: enhancers stepping out of the shadow. <i>Current Biology</i> , 2010 , 20, R697-9	6.3	22
87	Developmental control of lateralized neuron size in the nematode <i>Caenorhabditis elegans</i> . <i>Neural Development</i> , 2010 , 5, 33	3.9	16
86	<i>C. elegans</i> mutant identification with a one-step whole-genome-sequencing and SNP mapping strategy. <i>PLoS ONE</i> , 2010 , 5, e15435	3.7	153
85	Neurogenesis in the nematode <i>Caenorhabditis elegans</i> . <i>WormBook</i> , 2010 , 1-24		69
84	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	3.7	136
83	Looking beyond development: maintaining nervous system architecture. <i>Current Topics in Developmental Biology</i> , 2009 , 87, 175-94	5.3	27
82	The <i>C. elegans</i> Tailless/TLX transcription factor <i>nhr-67</i> controls neuronal identity and left/right asymmetric fate diversification. <i>Development (Cambridge)</i> , 2009 , 136, 2933-44	6.6	34
81	Cis-regulatory mechanisms of left/right asymmetric neuron-subtype specification in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2009 , 136, 147-60	6.6	51
80	Cis-regulatory mutations in the <i>Caenorhabditis elegans</i> homeobox gene locus <i>cog-1</i> affect neuronal development. <i>Genetics</i> , 2009 , 181, 1679-86	4	27
79	The small, secreted immunoglobulin protein ZIG-3 maintains axon position in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2009 , 183, 917-27	4	20
78	Lateralized gustatory behavior of <i>C. elegans</i> is controlled by specific receptor-type guanylyl cyclases. <i>Current Biology</i> , 2009 , 19, 996-1004	6.3	80
77	Chloride intracellular channel 4 is involved in endothelial proliferation and morphogenesis in vitro. <i>Angiogenesis</i> , 2009 , 12, 209-20	10.6	63
76	Gene regulatory logic of dopamine neuron differentiation. <i>Nature</i> , 2009 , 458, 885-9	50.4	180
75	MAQGene: software to facilitate <i>C. elegans</i> mutant genome sequence analysis. <i>Nature Methods</i> , 2009 , 6, 549	21.6	77

74	Linking asymmetric cell division to the terminal differentiation program of postmitotic neurons in <i>C. elegans</i> . <i>Developmental Cell</i> , 2009 , 16, 563-75	10.2	65
73	Molecular mechanisms of maintaining nervous system architecture. <i>FASEB Journal</i> , 2009 , 23, 74.3	0.9	
72	<i>Caenorhabditis elegans</i> mutant allele identification by whole-genome sequencing. <i>Nature Methods</i> , 2008 , 5, 865-7	21.6	182
71	Automated screening for mutants affecting dopaminergic-neuron specification in <i>C. elegans</i> . <i>Nature Methods</i> , 2008 , 5, 869-72	21.6	62
70	Vector-free DNA constructs improve transgene expression in <i>C. elegans</i> . <i>Nature Methods</i> , 2008 , 5, 3	21.6	41
69	Oxygen levels affect axon guidance and neuronal migration in <i>Caenorhabditis elegans</i> . <i>Nature Neuroscience</i> , 2008 , 11, 894-900	25.5	74
68	Extracellular sugar modifications provide instructive and cell-specific information for axon-guidance choices. <i>Current Biology</i> , 2008 , 18, 1978-85	6.3	53
67	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	4.8	45
66	Gene regulation by transcription factors and microRNAs. <i>Science</i> , 2008 , 319, 1785-6	33.3	692
65	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, 20067-71	11.5	186
64	Molecular architecture of a miRNA-regulated 3'UTR. <i>Rna</i> , 2008 , 14, 1297-317	5.8	140
63	Comparing platforms for <i>C. elegans</i> mutant identification using high-throughput whole-genome sequencing. <i>PLoS ONE</i> , 2008 , 3, e4012	3.7	38
62	Genetic screens for <i>Caenorhabditis elegans</i> mutants defective in left/right asymmetric neuronal fate specification. <i>Genetics</i> , 2007 , 176, 2109-30	4	52
61	The molecular signature and cis-regulatory architecture of a <i>C. elegans</i> gustatory neuron. <i>Genes and Development</i> , 2007 , 21, 1653-74	12.6	125
60	miRNAs play a tune. <i>Cell</i> , 2007 , 131, 22-4	56.2	64
59	A novel Eph receptor-interacting IgSF protein provides <i>C. elegans</i> motoneurons with midline guidepost function. <i>Current Biology</i> , 2006 , 16, 1871-83	6.3	37
58	Early embryonic programming of neuronal left/right asymmetry in <i>C. elegans</i> . <i>Current Biology</i> , 2006 , 16, 2279-92	6.3	74
57	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, 3317-28	6.6	47

56	Searching for neuronal left/right asymmetry: genomewide analysis of nematode receptor-type guanylyl cyclases. <i>Genetics</i> , 2006 , 173, 131-49	4	86
55	DIG-1, a novel giant protein, non-autonomously mediates maintenance of nervous system architecture. <i>Development (Cambridge)</i> , 2006 , 133, 3329-40	6.6	26
54	The molecular diversity of glycosaminoglycans shapes animal development. <i>Annual Review of Cell and Developmental Biology</i> , 2006 , 22, 375-407	12.6	276
53	Mapping functional domains of chloride intracellular channel (CLIC) proteins in vivo. <i>Journal of Molecular Biology</i> , 2006 , 359, 1316-33	6.5	40
52	Developmental regulation of whole cell capacitance and membrane current in identified interneurons in <i>C. elegans</i> . <i>Journal of Neurophysiology</i> , 2006 , 95, 3665-73	3.2	9
51	Architecture of a microRNA-controlled gene regulatory network that diversifies neuronal cell fates. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006 , 71, 181-8	3.9	54
50	Perfect seed pairing is not a generally reliable predictor for miRNA-target interactions. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 849-51	17.6	368
49	Uses of GFP in <i>Caenorhabditis elegans</i> . <i>Methods of Biochemical Analysis</i> , 2006 , 47, 203-26		9
48	Reporter gene fusions. <i>WormBook</i> , 2006 , 1-23		81
47	MicroRNAs: all gone and then what?. <i>Current Biology</i> , 2005 , 15, R387-9	6.3	2
46	A novel <i>C. elegans</i> zinc finger transcription factor, <i>lsey-2</i> , required for the cell type-specific expression of the <i>lsey-6</i> microRNA. <i>Development (Cambridge)</i> , 2005 , 132, 5451-60	6.6	37
45	An interneuronal chemoreceptor required for olfactory imprinting in <i>C. elegans</i> . <i>Science</i> , 2005 , 309, 787-90	9.3	76
44	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, 12449-54	11.5	229
43	Specification of the nervous system. <i>WormBook</i> , 2005 , 1-19		54
42	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, 1253-67	4	21
41	The immunoglobulin superfamily in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Development (Cambridge)</i> , 2004 , 131, 2237-8; author reply 2238-40	6.6	5
40	A conserved postsynaptic transmembrane protein affecting neuromuscular signaling in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2004 , 24, 2191-201	6.6	100
39	<i>Caenorhabditis elegans</i> ABL-1 antagonizes p53-mediated germline apoptosis after ionizing irradiation. <i>Nature Genetics</i> , 2004 , 36, 906-12	36.3	66

38	MicroRNAs act sequentially and asymmetrically to control chemosensory laterality in the nematode. <i>Nature</i> , 2004 , 430, 785-9	50.4	298
37	Common logic of transcription factor and microRNA action. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 462-8	18.3	171
36	CisOrtho: a program pipeline for genome-wide identification of transcription factor target genes using phylogenetic footprinting. <i>BMC Bioinformatics</i> , 2004 , 5, 27	3.6	29
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4	Molecular topography of an entire nervous system		3
3	NeuroPAL: A Neuronal Polychromatic Atlas of Landmarks for Whole-Brain Imaging in <i>C. elegans</i>		15

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