## Cornelia I Bargmann

List of Publications by Year in descending order

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158 38,576 papers citations

94 158
h-index g-index

181 181 all docs citations

181 times ranked 23744 citing authors

#	Article	IF	CITATIONS
1	Genes that act downstream of DAF-16 to influence the lifespan of Caenorhabditis elegans. Nature, 2003, 424, 277-283.	13.7	1,998
2	Imaging neural activity in worms, flies and mice with improved GCaMP calcium indicators. Nature Methods, 2009, 6, 875-881.	9.0	1,759
3	Optimization of a GCaMP Calcium Indicator for Neural Activity Imaging. Journal of Neuroscience, 2012, 32, 13819-13840.	1.7	1,099
4	The neu oncogene encodes an epidermal growth factor receptor-related protein. Nature, 1986, 319, 226-230.	13.7	1,090
5	Odorant-selective genes and neurons mediate olfaction in C. elegans. Cell, 1993, 74, 515-527.	13.5	1,081
6	Multiple independent activations of the neu oncogene by a point mutation altering the transmembrane domain of p185. Cell, 1986, 45, 649-657.	13.5	1,034
7	An optimized fluorescent probe for visualizing glutamate neurotransmission. Nature Methods, 2013, 10, 162-170.	9.0	827
8	Sensitive red protein calcium indicators for imaging neural activity. ELife, 2016, 5, .	2.8	813
9	Neurobiology of the Caenorhabditis elegans Genome. , 1998, 282, 2028-2033.		810
10	Natural Variation in a Neuropeptide Y Receptor Homolog Modifies Social Behavior and Food Response in C. elegans. Cell, 1998, 94, 679-689.	13.5	737
11	Pathogenic bacteria induce aversive olfactory learning in Caenorhabditis elegans. Nature, 2005, 438, 179-184.	13.7	679
12	A circuit for navigation in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3184-3191.	3.3	674
13	Divergent seven transmembrane receptors are candidate chemosensory receptors in C. elegans. Cell, 1995, 83, 207-218.	13.5	656
14	Chemosensory neurons with overlapping functions direct chemotaxis to multiple chemicals in C. elegans. Neuron, 1991, 7, 729-742.	3.8	650
15	GFP Reconstitution Across Synaptic Partners (GRASP) Defines Cell Contacts and Synapses in Living Nervous Systems. Neuron, 2008, 57, 353-363.	3.8	644
16	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. Frontiers in Molecular Neuroscience, 2013, 6, 2.	1.4	629
17	Chemosensation in C. elegans. WormBook, 2006, , 1-29.	5.3	603
18	OSM-9, A Novel Protein with Structural Similarity to Channels, Is Required for Olfaction, Mechanosensation, and Olfactory Adaptation in <i>Caenorhabditis elegans</i> Neuroscience, 1997, 17, 8259-8269.	1.7	574

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19	Dissecting a circuit for olfactory behaviour in Caenorhabditis elegans. Nature, 2007, 450, 63-70.	13.7	573
20	Microfluidics for in vivo imaging of neuronal and behavioral activity in Caenorhabditis elegans. Nature Methods, 2007, 4, 727-731.	9.0	539
21	Oxygen sensation and social feeding mediated by a C. elegans guanylate cyclase homologue. Nature, 2004, 430, 317-322.	13.7	529
22	odr-10 Encodes a Seven Transmembrane Domain Olfactory Receptor Required for Responses to the Odorant Diacetyl. Cell, 1996, 84, 899-909.	13.5	511
23	From the connectome to brain function. Nature Methods, 2013, 10, 483-490.	9.0	451
24	A hub-and-spoke circuit drives pheromone attraction and social behaviour in C. elegans. Nature, 2009, 458, 1171-1175.	13.7	444
25	Comparing genomic expression patterns across species identifies shared transcriptional profile in aging. Nature Genetics, 2004, 36, 197-204.	9.4	434
26	A Putative Cyclic Nucleotide–Gated Channel Is Required for Sensory Development and Function in C. elegans. Neuron, 1996, 17, 695-706.	3.8	421
27	Combinatorial Expression of TRPV Channel Proteins Defines Their Sensory Functions and Subcellular Localization in C. elegans Neurons. Neuron, 2002, 35, 307-318.	3.8	417
28	Beyond the connectome: How neuromodulators shape neural circuits. BioEssays, 2012, 34, 458-465.	1.2	406
29	Reprogramming Chemotaxis Responses: Sensory Neurons Define Olfactory Preferences in C. elegans. Cell, 1997, 91, 161-169.	13.5	404
30	Control of larval development by chemosensory neurons in Caenorhabditis elegans. Science, 1991, 251, 1243-1246.	6.0	399
31	Fast multicolor 3D imaging using aberration-corrected multifocus microscopy. Nature Methods, 2013, 10, 60-63.	9.0	375
32	Serotonin and the Neuropeptide PDF Initiate and Extend Opposing Behavioral States in C.Âelegans. Cell, 2013, 154, 1023-1035.	13.5	356
33	A Central Role of the BK Potassium Channel in Behavioral Responses to Ethanol in C. elegans. Cell, 2003, 115, 655-666.	13.5	324
34	Mechanosensory signalling in C. elegans mediated by the GLR-1 glutamate receptor. Nature, 1995, 378, 78-81.	13.7	322
35	Detection and avoidance of a natural product from the pathogenic bacterium Serratia marcescens by Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2295-2300.	3.3	320
36	Odorant-specific adaptation pathways generate olfactory plasticity in C. elegans. Neuron, 1995, 14, 803-812.	3.8	311

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37	Mammalian TRPV4 (VR-OAC) directs behavioral responses to osmotic and mechanical stimuli in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14531-14536.	3.3	310
38	The Gα Protein ODR-3 Mediates Olfactory and Nociceptive Function and Controls Cilium Morphogenesis in C. elegans Olfactory Neurons. Neuron, 1998, 20, 55-67.	3.8	295
39	Dynamic regulation of axon guidance. Nature Neuroscience, 2001, 4, 1169-1176.	7.1	294
40	Comparative chemosensation from receptors to ecology. Nature, 2006, 444, 295-301.	13.7	293
41	The Immunoglobulin Superfamily Protein SYG-1 Determines the Location of Specific Synapses in C. elegans. Cell, 2003, 112, 619-630.	13.5	287
42	Synaptic Specificity Is Generated by the Synaptic Guidepost Protein SYG-2 and Its Receptor, SYG-1. Cell, 2004, 116, 869-881.	13.5	277
43	Role of a Class Dhc1b Dynein in Retrograde Transport of Ift Motors and Ift Raft Particles along Cilia, but Not Dendrites, in Chemosensory Neurons of Living Caenorhabditis elegans. Journal of Cell Biology, 1999, 147, 519-530.	2.3	276
44	The Conserved Immunoglobulin Superfamily Member SAX-3/Robo Directs Multiple Aspects of Axon Guidance in C. elegans. Cell, 1998, 92, 217-227.	13.5	275
45	Lateral Signaling Mediated by Axon Contact and Calcium Entry Regulates Asymmetric Odorant Receptor Expression in C. elegans. Cell, 1999, 99, 387-398.	13.5	261
46	C. elegans Responds to Chemical Repellents by Integrating Sensory Inputs from the Head and the Tail. Current Biology, 2002, 12, 730-734.	1.8	261
47	Neurons Detect Increases and Decreases in Oxygen Levels Using Distinct Guanylate Cyclases. Neuron, 2009, 61, 865-879.	3.8	253
48	Chapter 10 Laser Killing of Cells in Caenorhabditis elegans. Methods in Cell Biology, 1995, 48, 225-250.	0.5	249
49	UNC-6/Netrin induces neuronal asymmetry and defines the site of axon formation. Nature Neuroscience, 2006, 9, 511-518.	7.1	237
50	Odorant Receptor Localization to Olfactory Cilia Is Mediated by ODR-4, a Novel Membrane-Associated Protein. Cell, 1998, 93, 455-466.	13.5	230
51	Social feeding in Caenorhabditis elegans is induced by neurons that detect aversive stimuli. Nature, 2002, 419, 899-903.	13.7	229
52	Olfaction and Odor Discrimination Are Mediated by the C. elegans Guanylyl Cyclase ODR-1. Neuron, 2000, 25, 575-586.	3.8	227
53	Inducible and titratable silencing of <i>Caenorhabditis elegans</i> neurons in vivo with histamine-gated chloride channels. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2770-2775.	3.3	226
54	Parallel evolution of domesticated Caenorhabditis species targets pheromone receptor genes. Nature, 2011, 477, 321-325.	13.7	225

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55	Oxytocin/Vasopressin-Related Peptides Have an Ancient Role in Reproductive Behavior. Science, 2012, 338, 540-543.	6.0	225
56	Quantitative Mapping of a Digenic Behavioral Trait Implicates Globin Variation in C. elegans Sensory Behaviors. Neuron, 2009, 61, 692-699.	3.8	219
57	The Netrin Receptor UNC-40/DCC Stimulates Axon Attraction and Outgrowth through Enabled and, in Parallel, Rac and UNC-115/AbLIM. Neuron, 2003, 37, 53-65.	3.8	216
58	High-content behavioral analysis of Caenorhabditis elegans in precise spatiotemporal chemical environments. Nature Methods, 2011, 8, 599-605.	9.0	214
59	C. elegans odour discrimination requires asymmetric diversity in olfactory neurons. Nature, 2001, 410, 698-701.	13.7	213
60	Neuropeptide feedback modifies odor-evoked dynamics in Caenorhabditis elegans olfactory neurons. Nature Neuroscience, 2010, 13, 615-621.	7.1	213
61	Innate Immunity in <i>Caenorhabditis elegans</i> Is Regulated by Neurons Expressing NPR-1/GPCR. Science, 2008, 322, 460-464.	6.0	210
62	C. elegans Slit Acts in Midline, Dorsal-Ventral, and Anterior-Posterior Guidance via the SAX-3/Robo Receptor. Neuron, 2001, 32, 25-38.	3.8	209
63	Ca2+ Signaling via the Neuronal Calcium Sensor-1 Regulates Associative Learning and Memory in C. elegans. Neuron, 2001, 30, 241-248.	3.8	205
64	Feedback from Network States Generates Variability in a Probabilistic Olfactory Circuit. Cell, 2015, 161, 215-227.	13.5	204
65	A Distributed Chemosensory Circuit for Oxygen Preference in C. elegans. PLoS Biology, 2006, 4, e274.	2.6	199
66	Three <i>C. elegans</i> Rac proteins and several alternative Rac regulators control axon guidance, cell migration and apoptotic cell phagocytosis. Development (Cambridge), 2001, 128, 4475-4488.	1.2	197
67	The C. elegans gene odr-7 encodes an olfactory-specific member of the nuclear receptor superfamily. Cell, 1994, 79, 971-980.	13.5	195
68	Catecholamine receptor polymorphisms affect decision-making in C. elegans. Nature, 2011, 472, 313-318.	13.7	189
69	The CaMKII UNC-43 Activates the MAPKKK NSY-1 to Execute a Lateral Signaling Decision Required for Asymmetric Olfactory Neuron Fates. Cell, 2001, 105, 221-232.	13.5	188
70	The BRAIN Initiative: developing technology to catalyse neuroscience discovery. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140164.	1.8	179
71	The Cyclic GMP-Dependent Protein Kinase EGL-4 Regulates Olfactory Adaptation in C. elegans. Neuron, 2002, 36, 1079-1089.	3.8	178
72	Wnt Signals and Frizzled Activity Orient Anterior-Posterior Axon Outgrowth in C. elegans. Developmental Cell, 2006, 10, 379-390.	3.1	176

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73	A Toll-interleukin 1 repeat protein at the synapse specifies asymmetric odorant receptor expression via ASK1 MAPKKK signaling. Genes and Development, 2005, 19, 270-281.	2.7	168
74	The SAD-1 Kinase Regulates Presynaptic Vesicle Clustering and Axon Termination. Neuron, 2001, 29, 115-129.	3.8	166
75	Hierarchical assembly of presynaptic components in defined C. elegans synapses. Nature Neuroscience, 2006, 9, 1488-1498.	7.1	166
76	High-throughput imaging of neuronal activity in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4266-73.	3.3	164
77	Specific Polyunsaturated Fatty Acids Drive TRPV-Dependent Sensory Signaling In Vivo. Cell, 2004, 119, 889-900.	13.5	160
78	UNC-33 (CRMP) and ankyrin organize microtubules and localize kinesin to polarize axon-dendrite sorting. Nature Neuroscience, 2012, 15, 48-56.	7.1	152
79	Multiple Wnts and Frizzled Receptors Regulate Anteriorly Directed Cell and Growth Cone Migrations in Caenorhabditis elegans. Developmental Cell, 2006, 10, 367-377.	3.1	151
80	Polarized Dendritic Transport and the AP-1 $\hat{1}$ /41 Clathrin Adaptor UNC-101 Localize Odorant Receptors to Olfactory Cilia. Neuron, 2001, 31, 277-287.	3.8	148
81	Genetic and Cellular Analysis of Behavior in C. Elegans. Annual Review of Neuroscience, 1993, 16, 47-71.	5.0	147
82	Shared receptors in axon guidance: SAX-3/Robo signals via UNC-34/Enabled and a Netrin-independent UNC-40/DCC function. Nature Neuroscience, 2002, 5, 1147-1154.	7.1	144
83	Neuromodulatory State and Sex Specify Alternative Behaviors through Antagonistic Synaptic Pathways in C.Âelegans. Neuron, 2012, 75, 585-592.	3.8	141
84	Otx/otd Homeobox Genes Specify Distinct Sensory Neuron Identities in C. elegans. Developmental Cell, 2003, 5, 621-633.	3.1	137
85	SIGNAL TRANSDUCTION IN THECAENORHABDITIS ELEGANSNERVOUS SYSTEM. Annual Review of Neuroscience, 1998, 21, 279-308.	5.0	136
86	Balancing selection shapes density-dependent foraging behaviour. Nature, 2016, 539, 254-258.	13.7	132
87	A Behavioral Switch: cGMP and PKC Signaling in Olfactory Neurons Reverses Odor Preference in C. elegans. Neuron, 2008, 59, 959-971.	3.8	126
88	Neuromodulatory Control of Long-Term Behavioral Patterns and Individuality across Development. Cell, 2017, 171, 1649-1662.e10.	13.5	124
89	An Innexin-Dependent Cell Network Establishes Left-Right Neuronal Asymmetry in C. elegans. Cell, 2007, 129, 787-799.	13.5	123
90	Distinct Circuits for the Formation and Retrieval of an Imprinted Olfactory Memory. Cell, 2016, 164, 632-643.	13.5	122

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91	MIG-10/Lamellipodin and AGE-1/PI3K Promote Axon Guidance and Outgrowth in Response to Slit and Netrin. Current Biology, 2006, 16, 854-862.	1.8	120
92	A Circuit for Gradient Climbing in C.Âelegans Chemotaxis. Cell Reports, 2015, 12, 1748-1760.	2.9	120
93	A dynamin GTPase mutation causes a rapid and reversible temperature-inducible locomotion defect in C. elegans. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 10438-10443.	3.3	119
94	SEKâ€1 MAPKK mediates Ca 2+ signaling to determine neuronal asymmetric development in Caenorhabditis elegans. EMBO Reports, 2002, 3, 56-62.	2.0	118
95	Sensory experience and sensory activity regulate chemosensory receptor gene expression in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11032-11038.	3.3	117
96	Mechanosensory Neurite Termination and Tiling Depend on SAX-2 and the SAX-1 Kinase. Neuron, 2004, 44, 239-249.	3.8	110
97	Temporal Responses of C.Âelegans Chemosensory Neurons Are Preserved in Behavioral Dynamics. Neuron, 2014, 81, 616-628.	3.8	110
98	Behavioral Choice between Conflicting Alternatives Is Regulated by a Receptor Guanylyl Cyclase, GCY-28, and a Receptor Tyrosine Kinase, SCD-2, in AIA Interneurons of <i>Caenorhabditis elegans </i> Journal of Neuroscience, 2011, 31, 3007-3015.	1.7	106
99	The Caenorhabditis elegans seven-transmembrane protein ODR-10 functions as an odorant receptor in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 12162-12167.	3.3	105
100	Laser Microsurgery in Caenorhabditis elegans. Methods in Cell Biology, 2012, 107, 177-206.	0.5	105
101	Functional reconstitution of a heteromeric cyclic nucleotide-gated channel of Caenorhabditis elegans in cultured cells. Brain Research, 1999, 821, 160-168.	1.1	102
102	The <i>Caenorhabditis elegans odr-2 &lt; /i&gt; Gene Encodes a Novel Ly-6-Related Protein Required for Olfaction. Genetics, 2001, 157, 211-224.</i>	1.2	98
103	TRP CHANNELS INC. ELEGANS. Annual Review of Physiology, 2006, 68, 719-736.	5.6	96
104	Olfactory Receptors, Vomeronasal Receptors, and the Organization of Olfactory Information. Cell, 1997, 90, 585-587.	13.5	91
105	Neuronal Cell Shape and Neurite Initiation Are Regulated by the Ndr Kinase SAX-1, a Member of the Orb6/COT-1/Warts Serine/Threonine Kinase Family. Molecular Biology of the Cell, 2000, 11, 3177-3190.	0.9	90
106	Genetic contributions to behavioural diversity at the gene–environment interface. Nature Reviews Genetics, 2011, 12, 809-820.	7.7	90
107	C.Âelegans AWA Olfactory Neurons Fire Calcium-Mediated All-or-None Action Potentials. Cell, 2018, 175, 57-70.e17.	13.5	90
108	Hypoxia and the HIF-1 transcriptional pathway reorganize a neuronal circuit for oxygen-dependent behavior in <i>Caenorhabditis elegans</i> Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7321-7326.	3.3	88

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109	UNC-115, a Conserved Protein with Predicted LIM and Actin-Binding Domains, Mediates Axon Guidance in C. elegans. Neuron, 1998, 21, 385-392.	3.8	87
110	Invertebrate nociception: Behaviors, neurons and molecules. Journal of Neurobiology, 2004, 61, 161-174.	3.7	85
111	A stochastic neuronal model predicts random search behaviors at multiple spatial scales in C. elegans. ELife, 2016, 5, .	2.8	83
112	Presynaptic CaV2 calcium channel traffic requires CALF-1 and the $\hat{l}\pm2\hat{l}$ subunit UNC-36. Nature Neuroscience, 2009, 12, 1257-1265.	7.1	76
113	MultiFocus Polarization Microscope (MF-PolScope) for 3D polarization imaging of up to 25 focal planes simultaneously. Optics Express, 2015, 23, 7734.	1.7	76
114	Specific Expression of Channelrhodopsin-2 in Single Neurons of Caenorhabditis elegans. PLoS ONE, 2012, 7, e43164.	1.1	69
115	Multigenic Natural Variation Underlies Caenorhabditis elegans Olfactory Preference for the Bacterial Pathogen Serratia marcescens. G3: Genes, Genomes, Genetics, 2014, 4, 265-276.	0.8	68
116	The Brain Research Through Advancing Innovative Neurotechnologies (BRAIN) Initiative and Neurology. JAMA Neurology, 2014, 71, 675.	4.5	67
117	Wnt-Ror signaling to SIA and SIB neurons directs anterior axon guidance and nerve ring placement in <i>C. elegans</i>	1.2	64
118	Regulatory changes in two chemoreceptor genes contribute to a Caenorhabditis elegans QTL for foraging behavior. ELife, $2016, 5, .$	2.8	63
119	Left-right olfactory asymmetry results from antagonistic functions of voltage-activated calcium channels and the Raw repeat protein OLRN-1 in C. elegans. Neural Development, 2007, 2, 24.	1.1	61
120	The Tripartite Motif Protein MADD-2 Functions with the Receptor UNC-40 (DCC) in Netrin-Mediated Axon Attraction and Branching. Developmental Cell, 2010, 18, 950-960.	3.1	61
121	Parallel Multimodal Circuits Control an Innate Foraging Behavior. Neuron, 2019, 102, 407-419.e8.	3.8	60
122	Parallel encoding of sensory history and behavioral preference during Caenorhabditis elegans olfactory learning. ELife, 2016, 5, .	2.8	57
123	Inhibition of Netrin-Mediated Axon Attraction by a Receptor Protein Tyrosine Phosphatase. Science, 2004, 305, 103-106.	6.0	56
124	Long-Range Regulatory Polymorphisms Affecting a GABA Receptor Constitute a Quantitative Trait Locus (QTL) for Social Behavior in Caenorhabditis elegans. PLoS Genetics, 2012, 8, e1003157.	1.5	52
125	Transcriptional regulation and stabilization of left-right neuronal identity in C. elegans. Genes and Development, 2009, 23, 345-358.	2.7	48
126	Dissection of neuronal gap junction circuits that regulate social behavior in <i>Caenorhabditis elegans</i> Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1263-E1272.	3.3	48

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127	Multifocus microscopy with precise color multi-phase diffractive optics applied in functional neuronal imaging. Biomedical Optics Express, 2016, 7, 855.	1.5	47
128	Control of neuronal subtype identity by the C. elegans ARID protein CFI-1. Genes and Development, 2002, 16, 972-983.	2.7	44
129	Identification of Transcriptional Regulatory Elements in Chemosensory Receptor Genes by Probabilistic Segmentation. Current Biology, 2005, 15, 347-352.	1.8	42
130	The Claudin Superfamily Protein NSY-4 Biases Lateral Signaling to Generate Left-Right Asymmetry in C. elegans Olfactory Neurons. Neuron, 2006, 51, 291-302.	3.8	38
131	Microtubule-based localization of a synaptic calcium-signaling complex is required for left-right neuronal asymmetry in <i>C. elegans</i> ). Development (Cambridge), 2011, 138, 3509-3518.	1.2	38
132	Oxytocin mediated behavior in invertebrates: An evolutionary perspective. Developmental Neurobiology, 2017, 77, 128-142.	1.5	38
133	Context-dependent reversal of odorant preference is driven by inversion of the response in a single sensory neuron type. PLoS Biology, 2022, 20, e3001677.	2.6	37
134	Diverse modes of synaptic signaling, regulation, and plasticity distinguish two classes of C. elegans glutamatergic neurons. ELife, 2017, 6, .	2.8	34
135	The homeodomain protein <i>hmbx-1</i> maintains asymmetric gene expression in adult <i>C. elegans</i> olfactory neurons. Genes and Development, 2010, 24, 1802-1815.	2.7	30
136	Reliability of an interneuron response depends on an integrated sensory state. ELife, 2019, 8, .	2.8	29
137	An Adaptive-Threshold Mechanism for Odor Sensation and Animal Navigation. Neuron, 2020, 105, 534-548.e13.	3.8	26
138	Chronic intestinal inflammation: An unexpected outcome in cytokine or T cell receptor mutant mice. Cell, 1994, 78, 729-731.	13.5	24
139	Single Ionic Channels of Two Caenorhabditis elegans Chemosensory Neurons in Native Membrane. Journal of Membrane Biology, 2002, 189, 55-66.	1.0	24
140	Cell fate specification and differentiation in the nervous system of Caenorhabditis elegans., 1996, 18, 73-80.		19
141	Behavioral control by depolarized and hyperpolarized states of an integrating neuron. ELife, 2021, 10, .	2.8	19
142	A natural variant and engineered mutation in a GPCR promote DEET resistance in C. elegans. Nature, 2018, 562, 119-123.	13.7	18
143	An oxytocin/vasopressin-related neuropeptide modulates social foraging behavior in the clonal raider ant. PLoS Biology, 2021, 19, e3001305.	2.6	16
144	Acute Behavioral Responses to Pheromones in C. elegans (Adult Behaviors: Attraction, Repulsion). Methods in Molecular Biology, 2013, 1068, 285-292.	0.4	13

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145	From the nose to the brain. Nature, 1996, 384, 512-513.	13.7	9
146	What the BRAIN Initiative Means for Psychiatry. American Journal of Psychiatry, 2014, 171, 1038-1040.	4.0	7
147	The Cellular and Genetic Basis of Olfactory Responses in <i>Caenorhabditis Elegans</i> Foundation Symposium, 1993, 179, 235-250.	1.2	7
148	How the New Neuroscience Will Advance Medicine. JAMA - Journal of the American Medical Association, 2015, 314, 221.	3.8	6
149	Death from natural and unnatural causes. Current Biology, 1991, 1, 388-390.	1.8	5
150	Synaptic Specificity Is Generated by the Synaptic Guidepost Protein SYG-2 and Its Receptor, SYG-1. Cell, 2004, 117, 553.	13.5	5
151	A Complex Sensory Map for Pheromones. Neuron, 1999, 22, 640-642.	3.8	4
152	Accolade for elegans. Cell, 2002, 111, 759-762.	13.5	4
153	cDNA sequencing: a report from the worm front. Nature Genetics, 1992, 1, 79-80.	9.4	3
154	Making memories stick?. Nature, 1998, 391, 435-436.	13.7	3
155	Simple Organisms. Neurobiology of Disease, 2000, 7, 520-522.	2.1	2
156	Neuroscience: Comraderie and Nostalgia in Nematodes. Current Biology, 2005, 15, R832-R833.	1.8	2
157	In Appreciation of Lawrence C. Katz, 1956–2005. Neuron, 2005, 48, 897-900.	3.8	0
158	The Mind of a Male?. Science, 2012, 337, 416-417.	6.0	O