

# Elissa A Hallem

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,605  
citations

393982

19  
h-index

377514

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1201  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Sensory Code for Host Seeking in Parasitic Nematodes. <i>Current Biology</i> , 2011, 21, 377-383.	1.8	181
2	Acute carbon dioxide avoidance in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8038-8043.	3.3	176
3	Olfaction shapes host-parasite interactions in parasitic nematodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2324-33.	3.3	138
4	Receptor-type guanylate cyclase is required for carbon dioxide sensation by <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 254-259.	3.3	113
5	Nematodes, Bacteria, and Flies: A Tripartite Model for Nematode Parasitism. <i>Current Biology</i> , 2007, 17, 898-904.	1.8	109
6	Targeted mutagenesis in a human-parasitic nematode. <i>PLoS Pathogens</i> , 2017, 13, e1006675.	2.1	104
7	Diverse Host-Seeking Behaviors of Skin-Penetrating Nematodes. <i>PLoS Pathogens</i> , 2014, 10, e1004305.	2.1	64
8	Mechanisms of host seeking by parasitic nematodes. <i>Molecular and Biochemical Parasitology</i> , 2016, 208, 23-32.	0.5	64
9	Chemosensory behaviors of parasites. <i>Trends in Parasitology</i> , 2012, 28, 427-436.	1.5	60
10	O <sub>2</sub> -Sensing Neurons Control CO <sub>2</sub> Response in <i>C. elegans</i> . <i>Journal of Neuroscience</i> , 2013, 33, 9675-9683.	1.7	57
11	Variation in the Susceptibility of <i>Drosophila</i> to Different Entomopathogenic Nematodes. <i>Infection and Immunity</i> , 2015, 83, 1130-1138.	1.0	52
12	Differentiation of Carbon Dioxide-Sensing Neurons in <i>Caenorhabditis elegans</i> Requires the ETS-5 Transcription Factor. <i>Genetics</i> , 2011, 189, 1327-1339.	1.2	46
13	Temperature-dependent changes in the host-seeking behaviors of parasitic nematodes. <i>BMC Biology</i> , 2016, 14, 36.	1.7	46
14	Olfactory circuits and behaviors of nematodes. <i>Current Opinion in Neurobiology</i> , 2016, 41, 136-148.	2.0	45
15	A Single Set of Interneurons Drives Opposite Behaviors in <i>C. elegans</i> . <i>Current Biology</i> , 2017, 27, 2630-2639.e6.	1.8	44
16	A Critical Role for Thermosensation in Host Seeking by Skin-Penetrating Nematodes. <i>Current Biology</i> , 2018, 28, 2338-2347.e6.	1.8	44
17	Feeding state sculpts a circuit for sensory valence in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1776-1781.	3.3	43
18	Chemosensory mechanisms of host seeking and infectivity in skin-penetrating nematodes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17913-17923.	3.3	36

#	ARTICLE	IF	CITATIONS
19	Recent advances in functional genomics for parasitic nematodes of mammals. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	32
20	Terror in the dirt: Sensory determinants of host seeking in soil-transmitted mammalian-parasitic nematodes. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 496-510.	1.4	25
21	Stilbene epoxidation and detoxification in a <i>Photorhabdus luminescens</i> -nematode symbiosis. <i>Journal of Biological Chemistry</i> , 2017, 292, 6680-6694.	1.6	20
22	Experience-dependent olfactory behaviors of the parasitic nematode <i>Heligmosomoides polygyrus</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006709.	2.1	20
23	The role of carbon dioxide in nematode behaviour and physiology. <i>Parasitology</i> , 2020, 147, 841-854.	0.7	16
24	Temperature-dependent behaviors of parasitic helminths. <i>Neuroscience Letters</i> , 2018, 687, 290-303.	1.0	14
25	The neural basis of heat seeking in a human-infective parasitic worm. <i>Current Biology</i> , 2022, 32, 2206-2221.e6.	1.8	10
26	Olfactory Preferences of the Parasitic Nematode <i>Howardula aoronymphium</i> and its Insect Host <i>Drosophila falleni</i> . <i>Journal of Chemical Ecology</i> , 2017, 43, 362-373.	0.9	9
27	Using newly optimized genetic tools to probe <i>Strongyloides</i> sensory behaviors. <i>Molecular and Biochemical Parasitology</i> , 2022, 250, 111491.	0.5	8
28	The Wild Worm Codon Adapter: a web tool for automated codon adaptation of transgenes for expression in non- <i>Caenorhabditis</i> nematodes. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	5
29	Steroid hormone pathways coordinate developmental diapause and olfactory remodeling in <i>Pristionchus pacificus</i> . <i>Genetics</i> , 2021, 218, .	1.2	5
30	Skin-penetrating nematodes exhibit life-stage-specific interactions with host-associated and environmental bacteria. <i>BMC Biology</i> , 2021, 19, 221.	1.7	5
31	Sexual Dimorphisms: How Sex-Shared Neurons Generate Sex-Specific Behaviors. <i>Current Biology</i> , 2018, 28, R254-R256.	1.8	4
32	<i>Strongyloides</i> RNA-seq Browser: a web-based software platform for on-demand bioinformatics analyses of <i>Strongyloides</i> species. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	4
33	Generating Transgenics and Knockouts in <i>Strongyloides</i> Species by Microinjection. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	2
34	Decoding Inter-individual Variability in Experience-Dependent Behavioral Plasticity. <i>Neuron</i> , 2020, 105, 7-9.	3.8	1
35	Olfaction: One receptor drives opposite behaviors. <i>Current Biology</i> , 2022, 32, R93-R96.	1.8	0