

# Michael Ailion

## List of Publications by Year in descending order

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41  
papers

3,438  
citations

257450

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265206

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docs citations

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times ranked

3571  
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#	ARTICLE	IF	CITATIONS
1	Local adaptation and spatiotemporal patterns of genetic diversity revealed by repeated sampling of <i>Caenorhabditis elegans</i> across the Hawaiian Islands. <i>Molecular Ecology</i> , 2022, 31, 2327-2347.	3.9	8
2	Dopamine receptor DOP-1 engages a sleep pathway to modulate swimming in <i>C. elegans</i> . <i>iScience</i> , 2021, 24, 102247.	4.1	8
3	EIPR1 controls dense-core vesicle cargo retention and EARP complex localization in insulin-secreting cells. <i>Molecular Biology of the Cell</i> , 2020, 31, 59-79.	2.1	14
4	Casein Kinase 1 $\gamma$ Stabilizes Mature Axons by Inhibiting Transcription Termination of Ankyrin. <i>Developmental Cell</i> , 2020, 52, 88-103.e18.	7.0	15
5	Hybridization promotes asexual reproduction in <i>Caenorhabditis</i> nematodes. <i>PLoS Genetics</i> , 2019, 15, e1008520.	3.5	10
6	Modulation of Gq-Rho Signaling by the ERK MAPK Pathway Controls Locomotion in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2018, 209, 523-535.	2.9	14
7	<i>Pristionchus</i> nematodes occur frequently in diverse rotting vegetal substrates and are not exclusively necromenic, while <i>Panagrellus redivivoides</i> is found specifically in rotting fruits. <i>PLoS ONE</i> , 2018, 13, e0200851.	2.5	32
8	The NCA-1 and NCA-2 Ion Channels Function Downstream of Gq and Rho To Regulate Locomotion in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 206, 265-282.	2.9	26
9	The SEK-1 p38 MAP Kinase Pathway Modulates Gq Signaling in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 2979-2989.	1.8	13
10	Genetics: Master Regulator or Master of Disguise?. <i>Current Biology</i> , 2017, 27, R844-R847.	3.9	1
11	The dense-core vesicle maturation protein CCCP binds RAB2 and membranes through its C-terminal domain. <i>Traffic</i> , 2017, 18, 720-732.	2.7	15
12	Cytoplasmic-Nuclear Incompatibility Between Wild Isolates of <i>Caenorhabditis nouraguensis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 823-834.	1.8	12
13	Dopamine negatively modulates the NCA ion channels in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2017, 13, e1007032.	3.5	24
14	The EARP Complex and Its Interactor EIPR-1 Are Required for Cargo Sorting to Dense-Core Vesicles. <i>PLoS Genetics</i> , 2016, 12, e1006074.	3.5	53
15	The Conserved VPS-50 Protein Functions in Dense-Core Vesicle Maturation and Acidification and Controls Animal Behavior. <i>Current Biology</i> , 2016, 26, 862-871.	3.9	25
16	Two Rab2 Interactors Regulate Dense-Core Vesicle Maturation. <i>Neuron</i> , 2014, 82, 167-180.	8.1	69
17	The membrane-associated proteins FCHO and SGIP are allosteric activators of the AP2 clathrin adaptor complex. <i>ELife</i> , 2014, 3, .	6.0	75
18	Improved Mos1-mediated transgenesis in <i>C. elegans</i> . <i>Nature Methods</i> , 2012, 9, 117-118.	19.0	397

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19	Parallel evolution of domesticated <i>Caenorhabditis</i> species targets pheromone receptor genes. <i>Nature</i> , 2011, 477, 321-325.	27.8	225
20	A phylogeny and molecular barcodes for <i>Caenorhabditis</i> , with numerous new species from rotting fruits. <i>BMC Evolutionary Biology</i> , 2011, 11, 339.	3.2	317
21	Neuron-specific proteotoxicity of mutant ataxin-3 in <i>C. elegans</i> : rescue by the DAF-16 and HSF-1 pathways. <i>Human Molecular Genetics</i> , 2011, 20, 2996-3009.	2.9	101
22	A Novel Sperm-Delivered Toxin Causes Late-Stage Embryo Lethality and Transmission Ratio Distortion in <i>C. elegans</i> . <i>PLoS Biology</i> , 2011, 9, e1001115.	5.6	158
23	Genetics of Extracellular Matrix Remodeling During Organ Growth Using the <i>Caenorhabditis elegans</i> Pharynx Model. <i>Genetics</i> , 2010, 186, 969-982.	2.9	22
24	<i>C. elegans</i> Anaplastic Lymphoma Kinase Ortholog SCD-2 Controls Dauer Formation by Modulating TGF- $\beta$ Signaling. <i>Current Biology</i> , 2008, 18, 1101-1109.	3.9	66
25	Ammonium-Acetate Is Sensed by Gustatory and Olfactory Neurons in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2008, 3, e2467.	2.5	21
26	UNC-31 (CAPS) Is Required for Dense-Core Vesicle But Not Synaptic Vesicle Exocytosis in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2007, 27, 6150-6162.	3.6	261
27	<i>Tricoë</i> ™s Rho-specific GEF domain is the missing $G_{i\pm q}$ effector in <i>C. elegans</i> . <i>Genes and Development</i> , 2007, 21, 2731-2746.	5.9	84
28	Functional genomics and biochemical characterization of the <i>C. elegans</i> orthologue of the Machado-Joseph disease protein ataxin-3. <i>FASEB Journal</i> , 2007, 21, 1126-1136.	0.5	62
29	Genetic Analysis of Dauer Formation in <i>Caenorhabditis briggsae</i> . <i>Genetics</i> , 2007, 177, 809-818.	2.9	32
30	NCR-1 and NCR-2, the <i>C. elegans</i> homologs of the human Niemann-Pick type C1 disease protein, function upstream of DAF-9 in the dauer formation pathways. <i>Development (Cambridge)</i> , 2004, 131, 5741-5752.	2.5	72
31	Isolation and Characterization of High-Temperature-Induced Dauer Formation Mutants in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2003, 165, 127-144.	2.9	70
32	<i>egl-4</i> Acts Through a Transforming Growth Factor- $\beta$ /SMAD Pathway in <i>Caenorhabditis elegans</i> to Regulate Multiple Neuronal Circuits in Response to Sensory Cues. <i>Genetics</i> , 2000, 156, 123-141.	2.9	106
33	Dauer Formation Induced by High Temperatures in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2000, 156, 1047-1067.	2.9	165
34	Neurosecretory control of aging in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 7394-7397.	7.1	116
35	A PDK1 homolog is necessary and sufficient to transduce AGE-1 PI3 kinase signals that regulate diapause in <i>Caenorhabditis elegans</i> . <i>Genes and Development</i> , 1999, 13, 1438-1452.	5.9	375
36	Genetic characterization of the pdu operon: use of 1,2-propanediol in <i>Salmonella typhimurium</i> . <i>Journal of Bacteriology</i> , 1997, 179, 1013-1022.	2.2	57

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37	Repression of the cob operon of <i>Salmonella typhimurium</i> by adenosylcobalamin is influenced by mutations in the pdu operon. <i>Journal of Bacteriology</i> , 1997, 179, 6084-6091.	2.2	13
38	Five promoters integrate control of the cob/pdu regulon in <i>Salmonella typhimurium</i> . <i>Journal of Bacteriology</i> , 1995, 177, 5401-5410.	2.2	48
39	The end of the cob operon: evidence that the last gene (cobT) catalyzes synthesis of the lower ligand of vitamin B12, dimethylbenzimidazole. <i>Journal of Bacteriology</i> , 1995, 177, 1461-1469.	2.2	29
40	Two global regulatory systems (Crp and Arc) control the cobalamin/propanediol regulon of <i>Salmonella typhimurium</i> . <i>Journal of Bacteriology</i> , 1993, 175, 7200-7208.	2.2	80
41	A single regulatory gene integrates control of vitamin B12 synthesis and propanediol degradation. <i>Journal of Bacteriology</i> , 1992, 174, 2253-2266.	2.2	126