

Mario de Bono

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,571
citations

279798

23
h-index

345221

36
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46
all docs

46
docs citations

46
times ranked

2787
citing authors

#	ARTICLE	IF	CITATIONS
1	ROS and cGMP signaling modulate persistent escape from hypoxia in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2022, 20, e3001684.	5.6	5
2	Neuronal calmodulin levels are controlled by CAMTA transcription factors. <i>ELife</i> , 2021, 10, .	6.0	3
3	Interactome analysis of <i>Caenorhabditis elegans</i> synapses by TurboID-based proximity labeling. <i>Journal of Biological Chemistry</i> , 2021, 297, 101094.	3.4	32
4	Neuronal HSF-1 coordinates the propagation of fat desaturation across tissues to enable adaptation to high temperatures in <i>C. elegans</i> . <i>PLoS Biology</i> , 2021, 19, e3001431.	5.6	15
5	Natural Variation in a Dendritic Scaffold Protein Remodels Experience-Dependent Plasticity by Altering Neuropeptide Expression. <i>Neuron</i> , 2020, 105, 106-121.e10.	8.1	15
6	Long-term activity drives dendritic branch elaboration of a <i>C. elegans</i> sensory neuron. <i>Developmental Biology</i> , 2020, 461, 66-74.	2.0	6
7	MALT-1 mediates IL-17 neural signaling to regulate <i>C. elegans</i> behavior, immunity and longevity. <i>Nature Communications</i> , 2020, 11, 2099.	12.8	21
8	Genetic dissection of neuropeptide cell biology at high and low activity in a defined sensory neuron. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6890-E6899.	7.1	23
9	IL-17 is a neuromodulator of <i>Caenorhabditis elegans</i> sensory responses. <i>Nature</i> , 2017, 542, 43-48.	27.8	98
10	Memory of recent oxygen experience switches pheromone valence in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4195-4200.	7.1	42
11	Modulation of sensory information processing by a neuroglobin in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4658-E4665.	7.1	12
12	Purification of FLAG-tagged Secreted Proteins from Mammalian Cells. <i>Bio-protocol</i> , 2017, 7, .	0.4	2
13	Environmental CO ₂ inhibits <i>Caenorhabditis elegans</i> egg-laying by modulating olfactory neurons and evokes widespread changes in neural activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3525-34.	7.1	49
14	Decoding a neural circuit controlling global animal state in <i>C. elegans</i> . <i>ELife</i> , 2015, 4, .	6.0	63
15	GLOBIN-5-Dependent O ₂ Responses Are Regulated by PDL-1/PrBP That Targets Prenylated Soluble Guanylate Cyclases to Dendritic Endings. <i>Journal of Neuroscience</i> , 2014, 34, 16726-16738.	3.6	23
16	An ER Complex of ODR-4 and ODR-8/Ufm1 Specific Protease 2 Promotes GPCR Maturation by a Ufm1-Independent Mechanism. <i>PLoS Genetics</i> , 2014, 10, e1004082.	3.5	42
17	Neuronal Control of Metabolism through Nutrient-Dependent Modulation of Tracheal Branching. <i>Cell</i> , 2014, 156, 69-83.	28.9	79
18	Cross-Modulation of Homeostatic Responses to Temperature, Oxygen and Carbon Dioxide in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2013, 9, e1004011.	3.5	31

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19	In vivo genetic dissection of O ₂ -evoked cGMP dynamics in a <i>Caenorhabditis elegans</i> gas sensor. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3301-10.	7.1	37
20	Efficient genome editing in <i>Caenorhabditis elegans</i> by CRISPR-targeted homologous recombination. Nucleic Acids Research, 2013, 41, e193-e193.	14.5	134
21	Tonic signaling from O ₂ sensors sets neural circuit activity and behavioral state. Nature Neuroscience, 2012, 15, 581-591.	14.8	117
22	Temperature, Oxygen, and Salt-Sensing Neurons in <i>C. elegans</i> Are Carbon Dioxide Sensors that Control Avoidance Behavior. Neuron, 2011, 69, 1099-1113.	8.1	121
23	Macoilin, a Conserved Nervous System-Specific ER Membrane Protein That Regulates Neuronal Excitability. PLoS Genetics, 2011, 7, e1001341.	3.5	26
24	Whole Genome Sequencing Highlights Genetic Changes Associated with Laboratory Domestication of <i>C. elegans</i> . PLoS ONE, 2010, 5, e13922.	2.5	68
25	Natural variation in a neural globin tunes oxygen sensing in wild <i>Caenorhabditis elegans</i> . Nature, 2009, 458, 1030-1033.	27.8	125
26	A carbon dioxide avoidance behavior is integrated with responses to ambient oxygen and food in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8044-8049.	7.1	170
27	Behavioral Motifs and Neural Pathways Coordinating O ₂ Responses and Aggregation in <i>C. elegans</i> . Current Biology, 2006, 16, 649-659.	3.9	126
28	Experience-Dependent Modulation of <i>C. elegans</i> Behavior by Ambient Oxygen. Current Biology, 2005, 15, 905-917.	3.9	195
29	NEURONAL SUBSTRATES OF COMPLEX BEHAVIORS IN <i>C. ELEGANS</i> . Annual Review of Neuroscience, 2005, 28, 451-501.	10.7	351
30	Soluble Guanylate Cyclases Act in Neurons Exposed to the Body Fluid to Promote <i>C. elegans</i> Aggregation Behavior. Current Biology, 2004, 14, 1105-1111.	3.9	136
31	Molecular approaches to aggregation behavior and social attachment. Journal of Neurobiology, 2003, 54, 78-92.	3.6	27
32	Inhibition of <i>Caenorhabditis elegans</i> social feeding by FMRFamide-related peptide activation of NPR-1. Nature Neuroscience, 2003, 6, 1178-1185.	14.8	231
33	Social feeding in <i>Caenorhabditis elegans</i> is induced by neurons that detect aversive stimuli. Nature, 2002, 419, 899-903.	27.8	229
34	Antagonistic pathways in neurons exposed to body fluid regulate social feeding in <i>Caenorhabditis elegans</i> . Nature, 2002, 419, 925-929.	27.8	174
35	Natural Variation in a Neuropeptide Y Receptor Homolog Modifies Social Behavior and Food Response in <i>C. elegans</i> . Cell, 1998, 94, 679-689.	28.9	737