

Roger Dj Pocock

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,938
citations

331670

21
h-index

276875

41
g-index

71
all docs

71
docs citations

71
times ranked

2790
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional recovery of the germ line following splicing collapse. <i>Cell Death and Differentiation</i> , 2022, 29, 772-787.	11.2	3
2	Atypical TGF- β signaling controls neuronal guidance in <i>Caenorhabditis elegans</i> . <i>IScience</i> , 2022, 25, 103791.	4.1	7
3	Diet-responsive transcriptional regulation of insulin in a single neuron controls systemic metabolism. <i>PLoS Biology</i> , 2022, 20, e3001655.	5.6	7
4	The UIG-1/CDC-42 guanine nucleotide exchange factor acts in parallel to CED-10/Rac1 during axon outgrowth in <i>Caenorhabditis elegans</i> . <i>Small GTPases</i> , 2021, 12, 60-66.	1.6	3
5	In silico analysis of the transcriptional regulatory logic of neuronal identity specification throughout the <i>C. elegans</i> nervous system. <i>ELife</i> , 2021, 10, .	6.0	16
6	Functions of the extracellular matrix in development: Lessons from <i>Caenorhabditis elegans</i> . <i>Cellular Signalling</i> , 2021, 84, 110006.	3.6	4
7	Transcription Factors That Control Behavior—Lessons From <i>C. elegans</i> . <i>Frontiers in Neuroscience</i> , 2021, 15, 745376.	2.8	5
8	A somatic proteoglycan controls Notch-directed germ cell fate. <i>Nature Communications</i> , 2021, 12, 6708.	12.8	12
9	Transcriptional landscape of the embryonic chicken Müllerian duct. <i>BMC Genomics</i> , 2020, 21, 688.	2.8	10
10	Harmonization of L1CAM expression facilitates axon outgrowth and guidance of a motor neuron. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	6
11	IFN β /interferon- β regulates autophagy via a <i>MIR1-TBC1D15-RAB7</i> pathway. <i>Autophagy</i> , 2020, 16, 767-769.	9.1	13
12	A single amino acid change in the EGL-46 transcription factor causes defects in BAG neuron specification. <i>MicroPublication Biology</i> , 2020, 2020, .	0.1	0
13	<i>Caenorhabditis elegans</i> hub genes that respond to amyloid beta are homologs of genes involved in human Alzheimer's disease. <i>PLoS ONE</i> , 2019, 14, e0219486.	2.5	16
14	mir-234 controls neuropeptide release at the <i>Caenorhabditis elegans</i> neuromuscular junction. <i>Molecular and Cellular Neurosciences</i> , 2019, 98, 70-81.	2.2	7
15	A Protein Disulfide Isomerase Controls Neuronal Migration through Regulation of Wnt Secretion. <i>Cell Reports</i> , 2019, 26, 3183-3190.e5.	6.4	12
16	Glycan Mimetics from Natural Products: New Therapeutic Opportunities for Neurodegenerative Disease. <i>Molecules</i> , 2019, 24, 4604.	3.8	20
17	New deletion alleles for Hedgehog pathway-related genes and. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	2
18	Rac GTPases: domain-specific functions in neuronal development. <i>Neural Regeneration Research</i> , 2019, 14, 1367.	3.0	2

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19	PIE-scope, integrated cryo-correlative light and FIB/SEM microscopy. <i>ELife</i> , 2019, 8, .	6.0	108
20	Interferon- β -induced miR-1 alleviates toxic protein accumulation by controlling autophagy. <i>ELife</i> , 2019, 8, .	6.0	23
21	Proteomic Characterization of <i>Caenorhabditis elegans</i> Larval Development. <i>Proteomics</i> , 2018, 18, 1700238.	2.2	3
22	Distinct CED-10/Rac1 domains confer context-specific functions in development. <i>PLoS Genetics</i> , 2018, 14, e1007670.	3.5	11
23	Brain Energy and Oxygen Metabolism: Emerging Role in Normal Function and Disease. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 216.	2.9	237
24	Computational Analysis of the <i>Caenorhabditis elegans</i> Germline to Study the Distribution of Nuclei, Proteins, and the Cytoskeleton. <i>Journal of Visualized Experiments</i> , 2018, .	0.3	4
25	Hub connectivity, neuronal diversity, and gene expression in the <i>Caenorhabditis elegans</i> connectome. <i>PLoS Computational Biology</i> , 2018, 14, e1005989.	3.2	56
26	Behavioral Assays to Study Oxygen and Carbon Dioxide Sensing in <i>Caenorhabditis elegans</i> . <i>Bio-protocol</i> , 2018, 8, .	0.4	1
27	Developmental Wiring of Specific Neurons Is Regulated by RET-1/Nogo-A in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2017, 205, 295-302.	2.9	2
28	The ETS-5 transcription factor regulates activity states in <i>Caenorhabditis elegans</i> by controlling satiety. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1651-E1658.	7.1	37
29	Control of Neuropeptide Expression by Parallel Activity-dependent Pathways in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2017, 7, 38734.	3.3	14
30	Automated three-dimensional reconstruction of the <i>Caenorhabditis elegans</i> germline. <i>Developmental Biology</i> , 2017, 432, 222-228.	2.0	14
31	LIN-32/Atonal Controls Oxygen Sensing Neuron Development in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2017, 7, 7294.	3.3	7
32	Transcriptional control of satiety in <i>Caenorhabditis elegans</i> . <i>Communicative and Integrative Biology</i> , 2017, 10, e1325978.	1.4	0
33	Cell-extracellular matrix and cell-cell adhesion are linked by syndecan-4. <i>Matrix Biology</i> , 2017, 60-61, 57-69.	3.6	47
34	Redefining the role of syndecans in <i>C. elegans</i> biology. <i>Worm</i> , 2016, 5, e1142042.	1.0	5
35	Specific microRNAs Regulate Heat Stress Responses in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2015, 5, 8866.	3.3	52
36	microRNA regulation of the embryonic hypoxic response in <i>Caenorhabditis elegans</i> . <i>Scientific Reports</i> , 2015, 5, 11284.	3.3	18

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37	MicroRNAs: Not “Fine-Tuners” but Key Regulators of Neuronal Development and Function. <i>Frontiers in Neurology</i> , 2015, 6, 245.	2.4	62
38	A Novel Role for the Zinc-Finger Transcription Factor EGL-46 in the Differentiation of Gas-Sensing Neurons in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2015, 199, 157-163.	2.9	19
39	Transmembrane proteoglycans control stretch-activated channels to set cytosolic calcium levels. <i>Journal of Cell Biology</i> , 2015, 210, 1199-1211.	5.2	88
40	Regulation of Axonal Midline Guidance by Prolyl 4-Hydroxylation in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2014, 34, 16348-16357.	3.6	12
41	Reliable reference miRNAs for quantitative gene expression analysis of stress responses in <i>Caenorhabditis elegans</i> . <i>BMC Genomics</i> , 2014, 15, 222.	2.8	13
42	EGL-13/SoxD Specifies Distinct O ₂ and CO ₂ Sensory Neuron Fates in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2013, 9, e1003511.	3.5	25
43	An Epidermal MicroRNA Regulates Neuronal Migration Through Control of the Cellular Glycosylation State. <i>Science</i> , 2013, 341, 1404-1408.	12.6	73
44	Neuronal cell fate decisions. <i>Worm</i> , 2013, 2, e27284.	1.0	3
45	DVC1 (C1orf124) is a DNA damage “targeting p97 adaptor that promotes ubiquitin-dependent responses to replication blocks. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1084-1092.	8.2	153
46	A Single Gene Target of an ETS-Family Transcription Factor Determines Neuronal CO ₂ -Chemosensitivity. <i>PLoS ONE</i> , 2012, 7, e34014.	2.5	38
47	Neuronal Responses to Physiological Stress. <i>Frontiers in Genetics</i> , 2012, 3, 222.	2.3	62
48	The UNC-4 homeobox protein represses mab-9 expression in DA motor neurons in <i>Caenorhabditis elegans</i> . <i>Mechanisms of Development</i> , 2011, 128, 49-58.	1.7	4
49	Invited review: decoding the microRNA response to hypoxia. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 307-315.	2.8	75
50	Hypoxia activates a latent circuit for processing gustatory information in <i>C. elegans</i> . <i>Nature Neuroscience</i> , 2010, 13, 610-614.	14.8	106
51	Microbeam Irradiation of the <i>C. elegans</i> Nematode. <i>Journal of Radiation Research</i> , 2009, 50, A49-A54.	1.6	57
52	Lateralized Gustatory Behavior of <i>C. elegans</i> Is Controlled by Specific Receptor-Type Guanylyl Cyclases. <i>Current Biology</i> , 2009, 19, 996-1004.	3.9	101
53	Oxygen levels affect axon guidance and neuronal migration in <i>Caenorhabditis elegans</i> . <i>Nature Neuroscience</i> , 2008, 11, 894-900.	14.8	96
54	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.	2.2	54

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55	Neuronal function of Tbx20 conserved from nematodes to vertebrates. <i>Developmental Biology</i> , 2008, 317, 671-685.	2.0	22
56	A Novel Eph Receptor-Interacting IgSF Protein Provides <i>C. elegans</i> Motoneurons with Midline Guidepost Function. <i>Current Biology</i> , 2006, 16, 1871-1883.	3.9	46
57	A regulatory network of T-box genes and the even-skipped homologue vab-7 controls patterning and morphogenesis in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2004, 131, 2373-2385.	2.5	40
58	A Protein Disulfide Isomerase Controls Neuronal Migration Through Regulation of Wnt Secretion. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0