

Daniel N Cox

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,855
citations

331670

21
h-index

189892

50
g-index

66
all docs

66
docs citations

66
times ranked

2931
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel class of evolutionarily conserved genes defined by <i>piwi</i> are essential for stem cell self-renewal. <i>Genes and Development</i> , 1998, 12, 3715-3727.	5.9	876
2	The Role of PIWI and the miRNA Machinery in <i>Drosophila</i> Germline Determination. <i>Current Biology</i> , 2006, 16, 1884-1894.	3.9	237
3	Yb Modulates the Divisions of Both Germline and Somatic Stem Cells through <i>piwi</i> - and <i>hh</i> -Mediated Mechanisms in the <i>Drosophila</i> Ovary. <i>Molecular Cell</i> , 2001, 7, 497-508.	9.7	145
4	Regulatory Relationship among <i>piwi</i> , <i>pumilio</i> , and <i>bag-of-marbles</i> in <i>Drosophila</i> Germline Stem Cell Self-Renewal and Differentiation. <i>Current Biology</i> , 2005, 15, 171-178.	3.9	139
5	<i>Drosophila par-1</i> is required for oocyte differentiation and microtubule organization. <i>Current Biology</i> , 2001, 11, 75-87.	3.9	131
6	The TRP Channels <i>Pkd2</i> , <i>NompC</i> , and <i>Trpm</i> Act in Cold-Sensing Neurons to Mediate Unique Aversive Behaviors to Noxious Cold in <i>Drosophila</i> . <i>Current Biology</i> , 2016, 26, 3116-3128.	3.9	92
7	NPA binding activity is peripheral to the plasma membrane and is associated with the cytoskeleton.. <i>Plant Cell</i> , 1994, 6, 1941-1953.	6.6	84
8	Bazooka and atypical protein kinase C are required to regulate oocyte differentiation in the <i>Drosophila</i> ovary. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 14475-14480.	7.1	83
9	Genomic phenotype of non-cultured pulmonary fibroblasts in idiopathic pulmonary fibrosis. <i>Genomics</i> , 2010, 96, 134-145.	2.9	70
10	Functional Genomic Analyses of Two Morphologically Distinct Classes of <i>Drosophila</i> Sensory Neurons: Post-Mitotic Roles of Transcription Factors in Dendritic Patterning. <i>PLoS ONE</i> , 2013, 8, e72434.	2.5	69
11	Transient receptor potential channels: current perspectives on evolution, structure, function and nomenclature. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201309.	2.6	54
12	Bazooka is a permissive factor for the invasive behavior of discs large tumor cells in <i>Drosophila</i> ovarian follicular epithelia. <i>Development (Cambridge)</i> , 2003, 130, 1927-1935.	2.5	50
13	The RhoGEF Trio Functions in Sculpting Class Specific Dendrite Morphogenesis in <i>Drosophila</i> Sensory Neurons. <i>PLoS ONE</i> , 2012, 7, e33634.	2.5	47
14	Control of dendrite arborization by an Ig family member, dendrite arborization and synapse maturation 1 (<i>Dasm1</i>). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13341-13345.	7.1	44
15	Cut via <i>CrebA</i> transcriptionally regulates the COPII secretory pathway to direct dendrite development in <i>Drosophila</i> . <i>Journal of Cell Science</i> , 2013, 126, 4732-45.	2.0	42
16	Three-dimensional morphometric analysis reveals time-dependent structural changes in microglia and astrocytes in the central amygdala and hypothalamic paraventricular nucleus of heart failure rats. <i>Journal of Neuroinflammation</i> , 2020, 17, 221.	7.2	41
17	Dendritic Cytoskeletal Architecture Is Modulated by Combinatorial Transcriptional Regulation in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2017, 207, 1401-1421.	2.9	39
18	Turtle Functions Downstream of Cut in Differentially Regulating Class Specific Dendrite Morphogenesis in <i>Drosophila</i> . <i>PLoS ONE</i> , 2011, 6, e22611.	2.5	38

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19	Human ApoE ϵ 4 Alters Circadian Rhythm Activity, IL-1 β , and GFAP in CRND8 Mice. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 823-834.	2.6	32
20	Morphological determinants of dendritic arborization neurons in <i>Drosophila</i> larva. <i>Brain Structure and Function</i> , 2018, 223, 1107-1120.	2.3	31
21	Design and implementation of multi-signal and time-varying neural reconstructions. <i>Scientific Data</i> , 2018, 5, 170207.	5.3	30
22	An assay for chemical nociception in <i>Drosophila</i> larvae. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190282.	4.0	29
23	<i>Drosophila</i> Insulin receptor regulates the persistence of injury-induced nociceptive sensitization. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	28
24	Basal autophagy is required for promoting dendritic terminal branching in <i>Drosophila</i> sensory neurons. <i>PLoS ONE</i> , 2018, 13, e0206743.	2.5	27
25	<i>Drosophila</i> menthol sensitivity and the Precambrian origins of transient receptor potential-dependent chemosensation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190369.	4.0	27
26	The Proteome of BLOC-1 Genetic Defects Identifies the Arp2/3 Actin Polymerization Complex to Function Downstream of the Schizophrenia Susceptibility Factor Dysbindin at the Synapse. <i>Journal of Neuroscience</i> , 2016, 36, 12393-12411.	3.6	26
27	<i>Drosophila</i> caspase activity is required independently of apoptosis to produce active TNF/Eiger during nociceptive sensitization. <i>Cell Death and Disease</i> , 2017, 8, e2786-e2786.	6.3	24
28	Phylogenetics Identifies Two Eumetazoan TRPM Clades and an Eighth TRP Family, TRP Soromelastatin (TRPS). <i>Molecular Biology and Evolution</i> , 2020, 37, 2034-2044.	8.9	24
29	Behavioral and Functional Assays for Investigating Mechanisms of Noxious Cold Detection and Multimodal Sensory Processing in <i>Drosophila</i> Larvae. <i>Bio-protocol</i> , 2017, 7, .	0.4	24
30	Injury-induced cold sensitization in <i>Drosophila</i> larvae involves behavioral shifts that require the TRP channel Brv1. <i>PLoS ONE</i> , 2018, 13, e0209577.	2.5	23
31	Isolation and Purification of <i>Drosophila</i> Peripheral Neurons by Magnetic Bead Sorting. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	21
32	Laser Capture Microdissection of <i>Drosophila</i> Peripheral Neurons. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	20
33	Rapid subcellular calcium responses and dynamics by calcium sensor G-CatchER+. <i>iScience</i> , 2021, 24, 102129.	4.1	19
34	CRISPR-Cas9 editing of the arginine vasopressin V1a receptor produces paradoxical changes in social behavior in Syrian hamsters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121037119.	7.1	18
35	Homeostatic Roles of the Proteostasis Network in Dendrites. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 264.	3.7	17
36	Golgi-Dependent Copper Homeostasis Sustains Synaptic Development and Mitochondrial Content. <i>Journal of Neuroscience</i> , 2021, 41, 215-233.	3.6	17

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37	Distinct Relations of Microtubules and Actin Filaments with Dendritic Architecture. IScience, 2020, 23, 101865.	4.1	15
38	NPA Binding Activity Is Peripheral to the Plasma Membrane and Is Associated with the Cytoskeleton. Plant Cell, 1994, 6, 1941.	6.6	12
39	Identification of a neural basis for cold acclimation in Drosophila larvae. IScience, 2021, 24, 102657.	4.1	12
40	Formin 3 directs dendritic architecture via microtubule regulation and is required for somatosensory nociceptive behavior. Development (Cambridge), 2021, 148, .	2.5	12
41	Growing Pains: Development of the Larval Nocifensive Response in <i>Drosophila</i> . Biological Bulletin, 2011, 221, 300-306.	1.8	11
42	An imaging analysis protocol to trace, quantify, and model multi-signal neuron morphology. STAR Protocols, 2021, 2, 100567.	1.2	10
43	Structural Plasticity in Dendrites: Developmental Neurogenetics, Morphological Reconstructions, and Computational Modeling. Contemporary Clinical Neuroscience, 2017, , 1-34.	0.3	9
44	Developmental Modification of Synaptic NMDAR Composition and Maturation of Glutamatergic Synapses: Matching Postsynaptic Slots With Receptor Pegs. Biological Bulletin, 2013, 224, 1-13.	1.8	7
45	Heart failure impairs mood and memory in male rats and down-regulates the expression of numerous genes important for synaptic plasticity in related brain regions. Behavioural Brain Research, 2021, 414, 113452.	2.2	7
46	Cell-type specific transcriptomic profiling to dissect mechanisms of differential dendritogenesis. Genomics Data, 2014, 2, 378-381.	1.3	5
47	Sensing the cold: TRP channels in thermal nociception. Channels, 2017, 11, 370-372.	2.8	5
48	Application of Cell-Specific Isolation to the Study of Dopamine Signaling in Drosophila. Methods in Molecular Biology, 2013, 964, 215-225.	0.9	3
49	Adult Neural Stem Cells: Isolation and Propagation. Methods in Molecular Biology, 2012, 823, 279-293.	0.9	2
50	Protocols for measuring cold-evoked neural activity and cold tolerance in Drosophila larvae following fictive cold acclimation. STAR Protocols, 2022, 3, 101510.	1.2	1
51	Dissecting the Molecular and Neural Circuit Bases of Behavior as an Introduction to Discovery-Driven Research; A Report on a Course-Based Undergraduate Research Experience. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience. 2020, 19, A21-A29.	0.0	0