

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	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
2	Protocols for measuring cold-evoked neural activity and cold tolerance in <i>Drosophila</i> larvae following fictive cold acclimation. <i>STAR Protocols</i> , 2022, 3, 101510.	1.2	1
3	Golgi-Dependent Copper Homeostasis Sustains Synaptic Development and Mitochondrial Content. <i>Journal of Neuroscience</i> , 2021, 41, 215-233.	3.6	17
4	Rapid subcellular calcium responses and dynamics by calcium sensor G-CatchER+. <i>IScience</i> , 2021, 24, 102129.	4.1	19
5	Identification of a neural basis for cold acclimation in <i>Drosophila</i> larvae. <i>IScience</i> , 2021, 24, 102657.	4.1	12
6	An imaging analysis protocol to trace, quantify, and model multi-signal neuron morphology. <i>STAR Protocols</i> , 2021, 2, 100567.	1.2	10
7	Formin 3 directs dendritic architecture via microtubule regulation and is required for somatosensory nociceptive behavior. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	12
8	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. <i>Behavioural Brain Research</i> , 2021, 414, 113452.	2.2	7
9	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
10	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
11	Homeostatic Roles of the Proteostasis Network in Dendrites. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 264.	3.7	17
12	Distinct Relations of Microtubules and Actin Filaments with Dendritic Architecture. <i>IScience</i> , 2020, 23, 101865.	4.1	15
13	Phylogenetics Identifies Two Eumetazoan TRPM Clades and an Eighth TRP Family, TRP Somelastatin (TRPS). <i>Molecular Biology and Evolution</i> , 2020, 37, 2034-2044.	8.9	24
14	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. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2020, 19, A21-A29.	0.0	0
15	<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
16	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
17	Design and implementation of multi-signal and time-varying neural reconstructions. <i>Scientific Data</i> , 2018, 5, 170207.	5.3	30
18	Morphological determinants of dendritic arborization neurons in <i>Drosophila</i> larva. <i>Brain Structure and Function</i> , 2018, 223, 1107-1120.	2.3	31

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19	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
20	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
21	<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
22	<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
23	Structural Plasticity in Dendrites: Developmental Neurogenetics, Morphological Reconstructions, and Computational Modeling. <i>Contemporary Clinical Neuroscience</i> , 2017, , 1-34.	0.3	9
24	Dendritic Cytoskeletal Architecture Is Modulated by Combinatorial Transcriptional Regulation in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2017, 207, 1401-1421.	2.9	39
25	Sensing the cold: TRP channels in thermal nociception. <i>Channels</i> , 2017, 11, 370-372.	2.8	5
26	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
27	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
28	The TRP Channels Pkd2, NompC, and Trpm 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
29	Cell-type specific transcriptomic profiling to dissect mechanisms of differential dendritogenesis. <i>Genomics Data</i> , 2014, 2, 378-381.	1.3	5
30	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
31	Cut via CrebA 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
32	Developmental Modification of Synaptic NMDAR Composition and Maturation of Glutamatergic Synapses: Matching Postsynaptic Slots With Receptor Pegs. <i>Biological Bulletin</i> , 2013, 224, 1-13.	1.8	7
33	Application of Cell-Specific Isolation to the Study of Dopamine Signaling in <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2013, 964, 215-225.	0.9	3
34	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
35	Adult Neural Stem Cells: Isolation and Propagation. <i>Methods in Molecular Biology</i> , 2012, 823, 279-293.	0.9	2
36	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

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37	Turtle Functions Downstream of Cut in Differentially Regulating Class Specific Dendrite Morphogenesis in <i>Drosophila</i> . PLoS ONE, 2011, 6, e22611.	2.5	38
38	Growing Pains: Development of the Larval Nocifensive Response in <i>Drosophila</i> . Biological Bulletin, 2011, 221, 300-306.	1.8	11
39	Laser Capture Microdissection of <i>Drosophila</i> Peripheral Neurons. Journal of Visualized Experiments, 2010, , .	0.3	20
40	Genomic phenotype of non-cultured pulmonary fibroblasts in idiopathic pulmonary fibrosis. Genomics, 2010, 96, 134-145.	2.9	70
41	Isolation and Purification of <i>Drosophila</i> Peripheral Neurons by Magnetic Bead Sorting. Journal of Visualized Experiments, 2009, , .	0.3	21
42	The Role of PIWI and the miRNA Machinery in <i>Drosophila</i> Germline Determination. Current Biology, 2006, 16, 1884-1894.	3.9	237
43	Regulatory Relationship among piwi, pumilio, and bag-of-marbles in <i>Drosophila</i> Germline Stem Cell Self-Renewal and Differentiation. Current Biology, 2005, 15, 171-178.	3.9	139
44	Control of dendrite arborization by an Ig family member, dendrite arborization and synapse maturation 1 (Dasm1). Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13341-13345.	7.1	44
45	Bazooka is a permissive factor for the invasive behavior of discs large tumor cells in <i>Drosophila</i> ovarian follicular epithelia. Development (Cambridge), 2003, 130, 1927-1935.	2.5	50
46	Yb Modulates the Divisions of Both Germline and Somatic Stem Cells through piwi- and hh-Mediated Mechanisms in the <i>Drosophila</i> Ovary. Molecular Cell, 2001, 7, 497-508.	9.7	145
47	<i>Drosophila</i> par-1 is required for oocyte differentiation and microtubule organization. Current Biology, 2001, 11, 75-87.	3.9	131
48	Bazooka and atypical protein kinase C are required to regulate oocyte differentiation in the <i>Drosophila</i> ovary. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 14475-14480.	7.1	83
49	A novel class of evolutionarily conserved genes defined by <i>piwi</i> are essential for stem cell self-renewal. Genes and Development, 1998, 12, 3715-3727.	5.9	876
50	NPA binding activity is peripheral to the plasma membrane and is associated with the cytoskeleton.. Plant Cell, 1994, 6, 1941-1953.	6.6	84
51	NPA Binding Activity Is Peripheral to the Plasma Membrane and Is Associated with the Cytoskeleton. Plant Cell, 1994, 6, 1941.	6.6	12