

David Van Vactor

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,882
citations

361413

20
h-index

434195

31
g-index

64
all docs

64
docs citations

64
times ranked

2913
citing authors

#	ARTICLE	IF	CITATIONS
1	Drosophila Liprin-1 and the Receptor Phosphatase Dlar Control Synapse Morphogenesis. Neuron, 2002, 34, 27-38.	8.1	279
2	MicroRNAs Shape the Neuronal Landscape. Neuron, 2012, 75, 363-379.	8.1	255
3	Transgenic microRNA inhibition with spatiotemporal specificity in intact organisms. Nature Methods, 2009, 6, 897-903.	19.0	185
4	QIL1 is a novel mitochondrial protein required for MICOS complex stability and cristae morphology. ELife, 2015, 4, .	6.0	141
5	miR-132 Enhances Dendritic Morphogenesis, Spine Density, Synaptic Integration, and Survival of Newborn Olfactory Bulb Neurons. PLoS ONE, 2012, 7, e38174.	2.5	117
6	Heparan sulfate proteoglycans and the emergence of neuronal connectivity. Current Opinion in Neurobiology, 2006, 16, 40-51.	4.2	116
7	Adhesion and signaling in axonal fasciculation. Current Opinion in Neurobiology, 1998, 8, 80-86.	4.2	89
8	A genome-wide transgenic resource for conditional expression of Drosophila microRNAs. Development (Cambridge), 2012, 139, 2821-2831.	2.5	82
9	A transgenic resource for conditional competitive inhibition of conserved Drosophila microRNAs. Nature Communications, 2015, 6, 7279.	12.8	63
10	MicroRNA-276a Functions in Ellipsoid Body and Mushroom Body Neurons for Naive and Conditioned Olfactory Avoidance in Drosophila. Journal of Neuroscience, 2013, 33, 5821-5833.	3.6	56
11	Genetic and Developmental Characterization of Dmca1D, a Calcium Channel β 1 Subunit Gene in Drosophila melanogaster. Genetics, 1998, 148, 1159-1169.	2.9	50
12	From the growth cone surface to the cytoskeleton: One journey, many paths. Journal of Neurobiology, 2000, 44, 184-193.	3.6	48
13	Presynaptic morphogenesis, active zone organization and structural plasticity in Drosophila. Current Opinion in Neurobiology, 2017, 43, 119-129.	4.2	43
14	Control of feeding by Piezo-mediated gut mechanosensation in Drosophila. ELife, 2021, 10, .	6.0	39
15	microRNAs That Promote or Inhibit Memory Formation in <i>Drosophila melanogaster</i> . Genetics, 2015, 200, 569-580.	2.9	38
16	Regulation of Circadian Behavior by Astroglial MicroRNAs in <i>Drosophila</i> . Genetics, 2018, 208, 1195-1207.	2.9	38
17	miR-8 controls synapse structure by repression of the actin regulator Enabled. Development (Cambridge), 2014, 141, 1864-1874.	2.5	35
18	MicroRNAs Regulate Sleep and Sleep Homeostasis in Drosophila. Cell Reports, 2018, 23, 3776-3786.	6.4	34

#	ARTICLE	IF	CITATIONS
19	Synapse development and maturation at the drosophila neuromuscular junction. <i>Neural Development</i> , 2020, 15, 11.	2.4	34
20	MicroRNA-8 promotes robust motor axon targeting by coordinate regulation of cell adhesion molecules during synapse development. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130517.	4.0	26
21	The conserved microRNA miR-34 regulates synaptogenesis via coordination of distinct mechanisms in presynaptic and postsynaptic cells. <i>Nature Communications</i> , 2020, 11, 1092.	12.8	24
22	MicroRNA-Dependent Transcriptional Silencing of Transposable Elements in Drosophila Follicle Cells. <i>PLoS Genetics</i> , 2015, 11, e1005194.	3.5	18
23	small bristles Is Required for the Morphogenesis of Multiple Tissues During Drosophila Development. <i>Genetics</i> , 2001, 159, 1659-1670.	2.9	17
24	Quality assessment and control of tissue specific RNA-seq libraries of Drosophila transgenic RNAi models. <i>Frontiers in Genetics</i> , 2014, 5, 43.	2.3	14
25	miRNA: local guardians of presynaptic function in plasticity and disease. <i>RNA Biology</i> , 2021, 18, 1014-1024.	3.1	10
26	dTACC restricts bouton addition and regulates microtubule organization at the <i>Drosophila</i> neuromuscular junction. <i>Cytoskeleton</i> , 2020, 77, 4-15.	2.0	8
27	Drosophila enabled promotes synapse morphogenesis and regulates active zone form and function. <i>Neural Development</i> , 2020, 15, 4.	2.4	7
28	The tricellular junction protein Gliotactin auto-regulates mRNA levels via BMP signaling induction of miR-184. <i>Journal of Cell Science</i> , 2016, 129, 1477-89.	2.0	6
29	Drosophila semaphorin2b is required for the axon guidance of a subset of embryonic neurons. <i>Developmental Dynamics</i> , 2013, 242, 861-873.	1.8	4
30	MicroRNAs Regulate Multiple Aspects of Locomotor Behavior in Drosophila. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 43-55.	1.8	4
31	3D Particle Tracking for Noninvasive In Vivo Analysis of Synaptic Microtubule Dynamics in Dendrites and Neuromuscular Junctions of Drosophila. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	1
32	Drosophila semaphorin2b is required for the axon guidance of a subset of embryonic neurons. <i>Developmental Dynamics</i> , 2013, 242, C1-C1.	1.8	0
33	Cover Image, Volume 77, Issue 1â€2. <i>Cytoskeleton</i> , 2020, 77, C1.	2.0	0