David Van Vactor

List of Publications by Year
in descending order

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	miRNA: local guardians of presynaptic function in plasticity and disease. RNA Biology, 2021, 18, 1014-1024.	3.1	10
2	Control of feeding by Piezo-mediated gut mechanosensation in Drosophila. ELife, 2021, 10, .	6.0	39
3	dTACC restricts bouton addition and regulates microtubule organization at the Drosophila neuromuscular junction. Cytoskeleton, 2020, 77, 4-15.	2.0	8
4	Synapse development and maturation at the drosophila neuromuscular junction. Neural Development, 2020, 15, 11.	2.4	34
5	3D Particle Tracking for Noninvasive In Vivo Analysis of Synaptic Microtubule Dynamics in Dendrites and Neuromuscular Junctions of Drosophila. Journal of Visualized Experiments, 2020, , .	0.3	1
6	Drosophila enabled promotes synapse morphogenesis and regulates active zone form and function. Neural Development, 2020, 15, 4.	2.4	7
7	The conserved microRNA miR-34 regulates synaptogenesis via coordination of distinct mechanisms in presynaptic and postsynaptic cells. Nature Communications, 2020, 11, 1092.	12.8	24
8	Cover Image, Volume 77, Issue 1â€2. Cytoskeleton, 2020, 77, C1.	2.0	0
9	MicroRNAs Regulate Multiple Aspects of Locomotor Behavior in Drosophila. G3: Genes, Genomes, Genetics, 2020, 10, 43-55.	1.8	4
10	Regulation of Circadian Behavior by Astroglial MicroRNAs inDrosophila. Genetics, 2018, 208, 1195-1207.	2.9	38
11	MicroRNAs Regulate Sleep and Sleep Homeostasis in Drosophila. Cell Reports, 2018, 23, 3776-3786.	6.4	34
12	Presynaptic morphogenesis, active zone organization and structural plasticity in Drosophila. Current Opinion in Neurobiology, 2017, 43, 119-129.	4.2	43
13	The tricellular junction protein Gliotactin auto-regulates mRNA levels via BMP signaling induction of miR-184. Journal of Cell Science, 2016, 129, 1477-89.	2.0	6
14	MicroRNA-Dependent Transcriptional Silencing of Transposable Elements in Drosophila Follicle Cells. PLoS Genetics, 2015, 11, e1005194.	3.5	18
15	microRNAs That Promote or Inhibit Memory Formation in Drosophila melanogaster. Genetics, 2015, 200, 569-580.	2.9	38
16	A transgenic resource for conditional competitive inhibition of conserved Drosophila microRNAs. Nature Communications, 2015, 6, 7279.	12.8	63
17	QIL1 is a novel mitochondrial protein required for MICOS complex stability and cristae morphology. ELife, 2015, 4, .	6.0	141
18	Quality assessment and control of tissue specific RNA-seq libraries of Drosophila transgenic RNAi models. Frontiers in Genetics, 2014, 5, 43.	2.3	14

#	Article	IF	Citations
19	miR-8 controls synapse structure by repression of the actin regulator Enabled. Development (Cambridge), 2014, 141, 1864-1874.	2.5	35
20	MicroRNA-8 promotes robust motor axon targeting by coordinate regulation of cell adhesion molecules during synapse development. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130517.	4.0	26
21	Drosophila semaphorin2b is required for the axon guidance of a subset of embryonic neurons. Developmental Dynamics, 2013, 242, 861-873.	1.8	4
22	Drosophila semaphorin2b is required for the axon guidance of a subset of embryonic neurons. Developmental Dynamics, 2013, 242, C1-C1.	1.8	0
23	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
24	A genome-wide transgenic resource for conditional expression of Drosophila microRNAs. Development (Cambridge), 2012, 139, 2821-2831.	2.5	82
25	MicroRNAs Shape the Neuronal Landscape. Neuron, 2012, 75, 363-379.	8.1	255
26	miR-132 Enhances Dendritic Morphogenesis, Spine Density, Synaptic Integration, and Survival of Newborn Olfactory Bulb Neurons. PLoS ONE, 2012, 7, e38174.	2.5	117
27	Transgenic microRNA inhibition with spatiotemporal specificity in intact organisms. Nature Methods, 2009, 6, 897-903.	19.0	185
28	Heparan sulfate proteoglycans and the emergence of neuronal connectivity. Current Opinion in Neurobiology, 2006, 16, 40-51.	4.2	116
29	Drosophila Liprin-Î± and the Receptor Phosphatase Dlar Control Synapse Morphogenesis. Neuron, 2002, 34, 27-38.	8.1	279
30	small bristles Is Required for the Morphogenesis of Multiple Tissues During Drosophila Development. Genetics, 2001, 159, 1659-1670.	2.9	17
31	From the growth cone surface to the cytoskeleton: One journey, many paths. Journal of Neurobiology, 2000, 44, 184-193.	3.6	48
32	Adhesion and signaling in axonal fasciculation. Current Opinion in Neurobiology, 1998, 8, 80-86.	4.2	89
33	Genetic and Developmental Characterization of Dmca1D, a Calcium Channel Î±1 Subunit Gene in Drosophila melanogaster. Genetics, 1998, 148, 1159-1169.	2.9	50