

Ronald L Davis

List of Publications by Year in descending order

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145
papers

15,919
citations

19608

61
h-index

18606

119
g-index

153
all docs

153
docs citations

153
times ranked

9211
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal Rescue of Memory Dysfunction in <i>Drosophila</i> . <i>Science</i> , 2003, 302, 1765-1768.	6.0	1,167
2	Spatiotemporal Gene Expression Targeting with the TARGET and Gene-Switch Systems in <i>Drosophila</i> . <i>Science Signaling</i> , 2004, 2004, pl6-pl6.	1.6	595
3	The <i>Drosophila</i> learning and memory gene <i>rutabaga</i> encodes a Ca ²⁺ -calmodulin-responsive adenylyl cyclase. <i>Cell</i> , 1992, 68, 479-489.	13.5	561
4	OLFACTORY MEMORY FORMATION IN <i>DROSOPHILA</i> : From Molecular to Systems Neuroscience. <i>Annual Review of Neuroscience</i> , 2005, 28, 275-302.	5.0	530
5	The Role of <i>Drosophila</i> Mushroom Body Signaling in Olfactory Memory. <i>Science</i> , 2001, 293, 1330-1333.	6.0	428
6	Eight different types of dopaminergic neurons innervate the <i>Drosophila</i> mushroom body neuropil: anatomical and physiological heterogeneity. <i>Frontiers in Neural Circuits</i> , 2009, 3, 5.	1.4	425
7	Defect in cyclic AMP phosphodiesterase due to the <i>dunce</i> mutation of learning in <i>Drosophila melanogaster</i> . <i>Nature</i> , 1981, 289, 79-81.	13.7	418
8	Mushroom bodies and <i>drosophila</i> learning. <i>Neuron</i> , 1993, 11, 1-14.	3.8	395
9	Tripartite Mushroom Body Architecture Revealed by Antigenic Markers. <i>Learning and Memory</i> , 1998, 5, 38-51.	0.5	356
10	Epigenetic Spreading of the <i>Drosophila</i> Dosage Compensation Complex from roX RNA Genes into Flanking Chromatin. <i>Cell</i> , 1999, 98, 513-522.	13.5	291
11	Preferential expression in mushroom bodies of the catalytic subunit of protein kinase A and its role in learning and memory. <i>Neuron</i> , 1993, 11, 197-208.	3.8	287
12	Integrin-mediated short-term memory in <i>Drosophila</i> . <i>Nature</i> , 1998, 391, 455-460.	13.7	281
13	roX1 RNA Paints the X Chromosome of Male <i>Drosophila</i> and Is Regulated by the Dosage Compensation System. <i>Cell</i> , 1997, 88, 445-457.	13.5	280
14	Traces of <i>Drosophila</i> Memory. <i>Neuron</i> , 2011, 70, 8-19.	3.8	272
15	A Novel Octopamine Receptor with Preferential Expression in <i>Drosophila</i> Mushroom Bodies. <i>Journal of Neuroscience</i> , 1998, 18, 3650-3658.	1.7	259
16	Gene expression systems in <i>Drosophila</i> : a synthesis of time and space. <i>Trends in Genetics</i> , 2004, 20, 384-391.	2.9	258
17	DAMB, a Novel Dopamine Receptor Expressed Specifically in <i>Drosophila</i> Mushroom Bodies. <i>Neuron</i> , 1996, 16, 1127-1135.	3.8	255
18	The cyclic AMP phosphodiesterase encoded by the <i>drosophila dunce</i> gene is concentrated in the mushroom body neuropil. <i>Neuron</i> , 1991, 6, 455-467.	3.8	243

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19	Dopamine Is Required for Learning and Forgetting in <i>Drosophila</i> . <i>Neuron</i> , 2012, 74, 530-542.	3.8	243
20	Preferential expression of the <i>drosophila rutabaga</i> gene in mushroom bodies, neural centers for learning in insects. <i>Neuron</i> , 1992, 9, 619-627.	3.8	239
21	<i>Drosophila</i> $\hat{1}\pm/\hat{1}^2$ Mushroom Body Neurons Form a Branch-Specific, Long-Term Cellular Memory Trace after Spaced Olfactory Conditioning. <i>Neuron</i> , 2006, 52, 845-855.	3.8	237
22	Olfactory Learning Deficits in Mutants for <i>leonardo</i> , a <i>Drosophila</i> Gene Encoding a 14-3-3 Protein. <i>Neuron</i> , 1996, 17, 931-944.	3.8	215
23	The Biology of Forgetting—A Perspective. <i>Neuron</i> , 2017, 95, 490-503.	3.8	211
24	Cyclic AMP phosphodiesterases are localized in regions of the mouse brain associated with reinforcement, movement, and affect. <i>Journal of Comparative Neurology</i> , 1999, 407, 287-301.	0.9	205
25	Altered Representation of the Spatial Code for Odors after Olfactory Classical Conditioning. <i>Neuron</i> , 2004, 42, 437-449.	3.8	205
26	The GABAergic anterior paired lateral neuron suppresses and is suppressed by olfactory learning. <i>Nature Neuroscience</i> , 2009, 12, 53-59.	7.1	202
27	Sleep Facilitates Memory by Blocking Dopamine Neuron-Mediated Forgetting. <i>Cell</i> , 2015, 161, 1656-1667.	13.5	200
28	Thirty years of olfactory learning and memory research in <i>Drosophila melanogaster</i> . <i>Progress in Neurobiology</i> , 2005, 76, 328-347.	2.8	199
29	Dynamics of Learning-Related cAMP Signaling and Stimulus Integration in the <i>Drosophila</i> Olfactory Pathway. <i>Neuron</i> , 2009, 64, 510-521.	3.8	199
30	Integrin Requirement for Hippocampal Synaptic Plasticity and Spatial Memory. <i>Journal of Neuroscience</i> , 2003, 23, 7107-7116.	1.7	175
31	Olfactory Learning. <i>Neuron</i> , 2004, 44, 31-48.	3.8	173
32	<i>Leonardo</i> , a <i>Drosophila</i> 14-3-3 Protein Involved in Learning, Regulates Presynaptic Function. <i>Neuron</i> , 1997, 19, 391-402.	3.8	158
33	Olfactory Learning in <i>Drosophila</i> . <i>Physiology</i> , 2010, 25, 338-346.	1.6	158
34	$\hat{1}$ -Integrins Are Required for Hippocampal AMPA Receptor-Dependent Synaptic Transmission, Synaptic Plasticity, and Working Memory. <i>Journal of Neuroscience</i> , 2006, 26, 223-232.	1.7	150
35	Octopamine receptor OAMB is required for ovulation in <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , 2003, 264, 179-190.	0.9	147
36	Pharmacogenetic rescue in time and space of the <i>rutabaga</i> memory impairment by using Gene-Switch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 198-203.	3.3	144

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37	14-3-3 proteins in neuronal development and function. <i>Molecular Neurobiology</i> , 1998, 16, 269-284.	1.9	142
38	Larval and pupal development of the mushroom bodies in the honey bee, <i>Apis mellifera</i> . , 1999, 414, 97-113.		140
39	SRC-1 Null Mice Exhibit Moderate Motor Dysfunction and Delayed Development of Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2003, 23, 213-222.	1.7	137
40	GABAA Receptor RDL Inhibits <i>Drosophila</i> Olfactory Associative Learning. <i>Neuron</i> , 2007, 56, 1090-1102.	3.8	136
41	<i>Drosophila</i> DPM Neurons Form a Delayed and Branch-Specific Memory Trace after Olfactory Classical Conditioning. <i>Cell</i> , 2005, 123, 945-957.	13.5	134
42	Dunce mutants of <i>Drosophila melanogaster</i> : mutants defective in the cyclic AMP phosphodiesterase enzyme system.. <i>Journal of Cell Biology</i> , 1981, 90, 101-107.	2.3	133
43	Functional neuroanatomy of <i>Drosophila</i> olfactory memory formation. <i>Learning and Memory</i> , 2014, 21, 519-526.	0.5	132
44	<i>Drosophila fasciclin</i> Is Required for the Formation of Odor Memories and for Normal Sensitivity to Alcohol. <i>Cell</i> , 2001, 105, 757-768.	13.5	124
45	Molecular biology and anatomy of <i>Drosophila</i> olfactory associative learning. <i>BioEssays</i> , 2001, 23, 571-581.	1.2	122
46	Integrin-Mediated Regulation of Synaptic Morphology, Transmission, and Plasticity. <i>Journal of Neuroscience</i> , 2000, 20, 6868-6878.	1.7	118
47	The Role of cAMP Response Element-Binding Protein in <i>Drosophila</i> Long-Term Memory. <i>Journal of Neuroscience</i> , 2004, 24, 8823-8828.	1.7	117
48	The cyclic AMP system and <i>Drosophila</i> learning. <i>Molecular and Cellular Biochemistry</i> , 1995, 149-150, 271-278.	1.4	115
49	Spatial and Temporal Control of Gene Expression in <i>Drosophila</i> Using the Inducible GeneSwitch GAL4 System. I. Screen for Larval Nervous System Drivers. <i>Genetics</i> , 2008, 178, 215-234.	1.2	115
50	Learning Performance of Normal and Mutant <i>Drosophila</i> after Repeated Conditioning Trials with Discrete Stimuli. <i>Journal of Neuroscience</i> , 2000, 20, 2944-2953.	1.7	109
51	Roles for <i>Drosophila</i> mushroom body neurons in olfactory learning and memory. <i>Learning and Memory</i> , 2006, 13, 659-668.	0.5	109
52	Molecular characterization of human and bovine rod photoreceptor cGMP phosphodiesterase β -subunit and chromosomal localization of the human gene. <i>Genomics</i> , 1990, 6, 272-283.	1.3	105
53	Detection of Calcium Transients in <i>Drosophila</i> Mushroom Body Neurons with Camgaroo Reporters. <i>Journal of Neuroscience</i> , 2003, 23, 64-72.	1.7	100
54	Dopamine Neurons Mediate Learning and Forgetting through Bidirectional Modulation of a Memory Trace. <i>Cell Reports</i> , 2018, 25, 651-662.e5.	2.9	97

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55	Characterization of the memory gene <i>dunce</i> of <i>Drosophila melanogaster</i> . <i>Journal of Molecular Biology</i> , 1991, 222, 553-565.	2.0	96
56	At least two genes reside within a large intron of the <i>dunce</i> gene of <i>Drosophila</i> . <i>Nature</i> , 1987, 329, 721-724.	13.7	95
57	A Late-Phase, Long-Term Memory Trace Forms in the $\hat{1}^3$ Neurons of <i>Drosophila</i> Mushroom Bodies after Olfactory Classical Conditioning. <i>Journal of Neuroscience</i> , 2010, 30, 16699-16708.	1.7	92
58	<i>Drosophila</i> Homer Is Required in a Small Set of Neurons Including the Ellipsoid Body for Normal Ethanol Sensitivity and Tolerance. <i>Journal of Neuroscience</i> , 2007, 27, 4541-4551.	1.7	87
59	<i>kurtz</i> , a Novel Nonvisual Arrestin, Is an Essential Neural Gene in <i>Drosophila</i> . <i>Genetics</i> , 2000, 155, 1281-1295.	1.2	81
60	Scribble Scaffolds a Signalosome for Active Forgetting. <i>Neuron</i> , 2016, 90, 1230-1242.	3.8	80
61	Reciprocal synapses between mushroom body and dopamine neurons form a positive feedback loop required for learning. <i>ELife</i> , 2017, 6, .	2.8	80
62	Identification of Genes That Promote or Inhibit Olfactory Memory Formation in <i>Drosophila</i> . <i>Genetics</i> , 2015, 199, 1173-1182.	1.2	75
63	Dopamine Receptor DAMB Signals via Gq to Mediate Forgetting in <i>Drosophila</i> . <i>Cell Reports</i> , 2017, 21, 2074-2081.	2.9	73
64	Isolation of mRNA from specific tissues of <i>Drosophila</i> by mRNA tagging. <i>Nucleic Acids Research</i> , 2005, 33, e148-e148.	6.5	71
65	Genetic dissection of the learning/memory gene <i>dunce</i> of <i>Drosophila melanogaster</i> . <i>Genes and Development</i> , 1993, 7, 1447-1458.	2.7	70
66	System-Like Consolidation of Olfactory Memories in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2013, 33, 9846-9854.	1.7	68
67	The cyclic AMP system and <i>Drosophila</i> learning. , 1995, 149-150, 271-278.		59
68	Exploratory Activity in <i>Drosophila</i> Requires the <i>kurtz</i> Nonvisual Arrestin. <i>Genetics</i> , 2007, 175, 1197-1212.	1.2	58
69	Interactions between Intercellular Adhesion Molecule-5 (ICAM-5) and $\hat{1}^21$ integrins regulate neuronal synapse formation. <i>Journal of Cell Science</i> , 2012, 126, 77-89.	1.2	58
70	Chapter 18 Olfactory memory traces in <i>Drosophila</i> . <i>Progress in Brain Research</i> , 2008, 169, 293-304.	0.9	56
71	A Distinct Set of <i>Drosophila</i> Brain Neurons Required for Neurofibromatosis Type 1-Dependent Learning and Memory. <i>Journal of Neuroscience</i> , 2010, 30, 10135-10143.	1.7	54
72	Compensatory redistribution of neuroligins and N-cadherin following deletion of synaptic $\hat{1}^21$ integrin. <i>Journal of Comparative Neurology</i> , 2012, 520, 2041-2052.	0.9	54

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73	Interrogating the Spatiotemporal Landscape of Neuromodulatory GPCR Signaling by Real-Time Imaging of cAMP in Intact Neurons and Circuits. <i>Cell Reports</i> , 2018, 22, 255-268.	2.9	53
74	The <i>Drosophila</i> brain revisited by enhancer detection. <i>Journal of Neurobiology</i> , 1996, 31, 88-102.	3.7	52
75	The Long-Term Memory Trace Formed in the <i>Drosophila</i> Mushroom Body Neurons Is Abolished in Long-Term Memory Mutants. <i>Journal of Neuroscience</i> , 2011, 31, 5643-5647.	1.7	51
76	A mouse homolog of <i>dunce</i> , a gene important for learning and memory in <i>Drosophila</i> , is preferentially expressed in olfactory receptor neurons. <i>Journal of Neurobiology</i> , 1995, 28, 102-113.	3.7	49
77	β -Integrins are required for hippocampal long-term potentiation and working memory. <i>Learning and Memory</i> , 2007, 14, 606-615.	0.5	48
78	The GABAA Receptor RDL Suppresses the Conditioned Stimulus Pathway for Olfactory Learning. <i>Journal of Neuroscience</i> , 2009, 29, 1573-1579.	1.7	48
79	Inhibiting the Mitochondrial Calcium Uniporter during Development Impairs Memory in Adult <i>Drosophila</i> . <i>Cell Reports</i> , 2016, 16, 2763-2776.	2.9	48
80	The <i>Drosophila dunce</i> locus: learning and memory genes in the fly. <i>Trends in Genetics</i> , 1991, 7, 224-229.	2.9	45
81	Biochemistry of insect learning: Lessons from bees and flies. <i>Insect Biochemistry and Molecular Biology</i> , 1996, 26, 327-335.	1.2	44
82	Aging impairs intermediate-term behavioral memory by disrupting the dorsal paired medial neuron memory trace. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6319-6324.	3.3	44
83	Conditional expression of UAS-transgenes in the adult eye with a new gene-switch vector system. <i>Genesis</i> , 2002, 34, 127-131.	0.8	42
84	Mechanism of Action and Target Identification: A Matter of Timing in Drug Discovery. <i>iScience</i> , 2020, 23, 101487.	1.9	41
85	Insect olfactory memory in time and space. <i>Current Opinion in Neurobiology</i> , 2006, 16, 679-685.	2.0	39
86	MiR-980 Is a Memory Suppressor MicroRNA that Regulates the Autism-Susceptibility Gene <i>A2bp1</i> . <i>Cell Reports</i> , 2016, 14, 1698-1709.	2.9	39
87	<i>Gilgamesh</i> Is Required for rutabaga-Independent Olfactory Learning in <i>Drosophila</i> . <i>Neuron</i> , 2010, 67, 810-820.	3.8	38
88	Distinct Traces for Appetitive versus Aversive Olfactory Memories in DPM Neurons of <i>Drosophila</i> . <i>Current Biology</i> , 2012, 22, 1247-1252.	1.8	38
89	microRNAs That Promote or Inhibit Memory Formation in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2015, 200, 569-580.	1.2	38
90	Neuroanatomy: Mushrooming mushroom bodies. <i>Current Biology</i> , 1996, 6, 146-148.	1.8	37

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91	A Dual Role for the Adaptor Protein DRK in <i>Drosophila</i> Olfactory Learning and Memory. <i>Journal of Neuroscience</i> , 2009, 29, 2611-2625.	1.7	36
92	GENETIC ANALYSIS OF CHROMOMERE 3D4 IN <i>DROSOPHILA MELANOGASTER</i> : THE <i>DUNCE</i> AND <i>SPERM-AMOTILE</i> GENES. <i>Genetics</i> , 1982, 100, 587-596.	1.2	36
93	Aging Impairs Protein-Synthesis-Dependent Long-Term Memory in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2015, 35, 1173-1180.	1.7	34
94	Genetic association of cyclic AMP signaling genes with bipolar disorder. <i>Translational Psychiatry</i> , 2012, 2, e169-e169.	2.4	32
95	Integrins are required for hippocampal long-term potentiation but not for hippocampal-dependent learning. <i>Genes, Brain and Behavior</i> , 2010, 9, 402-410.	1.1	31
96	The <i>opt1</i> gene of <i>Drosophila melanogaster</i> encodes a proton-dependent dipeptide transporter. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 275, C857-C869.	2.1	30
97	Wnt Signaling Is Required for Long-Term Memory Formation. <i>Cell Reports</i> , 2013, 4, 1082-1089.	2.9	30
98	Dopamine-based mechanism for transient forgetting. <i>Nature</i> , 2021, 591, 426-430.	13.7	29
99	Outward Currents in <i>Drosophila</i> Larval Neurons: <i>dunce</i> Lacks a Maintained Outward Current Component Downregulated by cAMP. <i>Journal of Neuroscience</i> , 1998, 18, 1399-1407.	1.7	27
100	Mushroom Bodies, Ca ²⁺ Oscillations, and the Memory Gene <i>amnesiac</i> . <i>Neuron</i> , 2001, 30, 653-656.	3.8	27
101	Brain transcriptome changes in the aging <i>Drosophila melanogaster</i> accompany olfactory memory performance deficits. <i>PLoS ONE</i> , 2018, 13, e0209405.	1.1	26
102	Memory suppressor genes: Modulating acquisition, consolidation, and forgetting. <i>Neuron</i> , 2021, 109, 3211-3227.	3.8	26
103	<i>Drosophila</i> SLC22A Transporter Is a Memory Suppressor Gene that Influences Cholinergic Neurotransmission to the Mushroom Bodies. <i>Neuron</i> , 2016, 90, 581-595.	3.8	25
104	A partial characterization of the cyclic nucleotide phosphodiesterases of <i>Drosophila melanogaster</i> . <i>Archives of Biochemistry and Biophysics</i> , 1980, 203, 412-421.	1.4	24
105	A <i>Drosophila</i> Nonvisual Arrestin Is Required for the Maintenance of Olfactory Sensitivity. <i>Chemical Senses</i> , 2006, 31, 49-62.	1.1	23
106	Rac in the Act of Forgetting. <i>Cell</i> , 2010, 140, 456-458.	13.5	21
107	Caspase Inhibition in Select Olfactory Neurons Restores Innate Attraction Behavior in Aged <i>Drosophila</i> . <i>PLoS Genetics</i> , 2014, 10, e1004437.	1.5	21
108	Aversive Training Induces Both Presynaptic and Postsynaptic Suppression in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2019, 39, 9164-9172.	1.7	20

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109	Neuron-based high-content assay and screen for CNS active mitotherapeutics. <i>Science Advances</i> , 2020, 6, eaaw8702.	4.7	20
110	Novel, primate-specific PDE10A isoform highlights gene expression complexity in human striatum with implications on the molecular pathology of bipolar disorder. <i>Translational Psychiatry</i> , 2016, 6, e742-e742.	2.4	18
111	Genetic manipulation of cyclic AMP levels in <i>Drosophila melanogaster</i> . <i>Biochemical and Biophysical Research Communications</i> , 1978, 81, 1180-1186.	1.0	17
112	MicroRNA function in <i>Drosophila</i> memory formation. <i>Current Opinion in Neurobiology</i> , 2017, 43, 15-24.	2.0	17
113	The <i>dachshund</i> gene is required for the proper guidance and branching of mushroom body axons in <i>Drosophila melanogaster</i> . <i>Journal of Neurobiology</i> , 2005, 64, 133-144.	3.7	16
114	Improved Scalability of Neuron-Based Phenotypic Screening Assays for Therapeutic Discovery in Neuropsychiatric Disorders. <i>Molecular Neuropsychiatry</i> , 2017, 3, 141-150.	3.0	16
115	<i>Drosophila mef2</i> is essential for normal mushroom body and wing development. <i>Biology Open</i> , 2018, 7, .	0.6	16
116	Early Mitochondrial Fragmentation and Dysfunction in a <i>Drosophila</i> Model for Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 143-155.	1.9	16
117	New Series of <i>Drosophila</i> Expression Vectors Suitable for Behavioral Rescue. <i>BioTechniques</i> , 1999, 27, 54-56.	0.8	15
118	Active Forgetting of Olfactory Memories in <i>Drosophila</i> . <i>Progress in Brain Research</i> , 2014, 208, 39-62.	0.9	15
119	Copia RNA levels are elevated in <i>dunce</i> mutants and modulated by cAMP. <i>Nucleic Acids Research</i> , 1989, 17, 8313-8326.	6.5	14
120	Rac1 Impairs Forgetting-Induced Cellular Plasticity in Mushroom Body Output Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 258.	1.8	14
121	Novel PDE10A transcript diversity in the human striatum: Insights into gene complexity, conservation and regulation. <i>Gene</i> , 2017, 606, 17-24.	1.0	13
122	Associative learning drives longitudinally graded presynaptic plasticity of neurotransmitter release along axonal compartments. <i>ELife</i> , 2022, 11, .	2.8	13
123	An adjustable-threshold algorithm for the identification of objects in three-dimensional images. <i>Bioinformatics</i> , 2003, 19, 1431-1435.	1.8	12
124	Ras acts as a molecular switch between two forms of consolidated memory in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2133-2139.	3.3	12
125	<i>Drosophila</i> Memory Research through Four Eras. <i>Handbook of Behavioral Neuroscience</i> , 2013, , 359-377.	0.7	11
126	Stromalin Constrains Memory Acquisition by Developmentally Limiting Synaptic Vesicle Pool Size. <i>Neuron</i> , 2019, 101, 103-118.e5.	3.8	10

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127	High-Throughput Small Molecule Screen Identifies Modulators of Mitochondrial Function in Neurons. <i>IScience</i> , 2020, 23, 100931.	1.9	9
128	The Scent of <i>Drosophila</i> Sex. <i>Neuron</i> , 2007, 54, 14-16.	3.8	8
129	Out of sight, but not out of mind. <i>Nature</i> , 2008, 453, 1193-1194.	13.7	8
130	SnapShot: Olfactory Classical Conditioning of <i>Drosophila</i> . <i>Cell</i> , 2015, 163, 524-524.e1.	13.5	8
131	Developmental inhibition of miR-iab8-3p disrupts mushroom body neuron structure and adult learning ability. <i>Developmental Biology</i> , 2016, 419, 237-249.	0.9	8
132	A clonal analysis of tergite development in <i>Drosophila</i> of Ultraabdominal and paradoxical genotypes. <i>Developmental Biology</i> , 1977, 58, 114-123.	0.9	7
133	Progress in understanding the <i>Drosophila</i> <i>dnc</i> locus. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1994, 108, 1-9.	0.2	7
134	Neurofibromin progress on the fly. <i>Nature</i> , 2000, 403, 846-847.	13.7	7
135	High Content, Phenotypic Assays and Screens for Compounds Modulating Cellular Processes in Primary Neurons. <i>Methods in Enzymology</i> , 2018, 610, 219-250.	0.4	7
136	Presenilin-1 and Memories of the Forebrain. <i>Neuron</i> , 2001, 32, 763-765.	3.8	6
137	Mushroom-Body Memories: An Obituary Prematurely Written?. <i>Current Biology</i> , 2012, 22, R272-R275.	1.8	6
138	An interchromosomal gene conversion of the <i>Drosophila</i> <i>dunce</i> locus identified with restriction site polymorphisms: A potential involvement of transposable elements in gene conversion. <i>Molecular Genetics and Genomics</i> , 1987, 208, 315-324.	2.4	5
139	Remote Control of Fruit Fly Behavior. <i>Cell</i> , 2005, 121, 6-7.	13.5	4
140	miR-92a Suppresses Mushroom Body-Dependent Memory Consolidation in <i>Drosophila</i> . <i>ENeuro</i> , 2020, 7, ENEURO.0224-20.2020.	0.9	4
141	Cyclic AMP Imaging Sheds Light on PDF Signaling in Circadian Clock Neurons. <i>Neuron</i> , 2008, 58, 161-163.	3.8	3
142	Elongator complex is required for long-term olfactory memory formation in <i>Drosophila</i> . <i>Learning and Memory</i> , 2018, 25, 183-196.	0.5	3
143	High-Throughput Phenotypic Assay for Compounds That Influence Mitochondrial Health Using iPSC-Derived Human Neurons. <i>SLAS Discovery</i> , 2021, 26, 811-822.	1.4	3
144	Spermidine cures flies of senior moments. <i>Nature Neuroscience</i> , 2013, 16, 1363-1364.	7.1	2

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145	Fruit Flies Can Teach Us How We Forget. <i>Frontiers for Young Minds</i> , 0, 5, .	0.8	0