

Craig Montell

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169
papers

22,846
citations

76
h-index

150
g-index

210
ext. papers

25,786
ext. citations

13.7
avg, IF

7.06
L-index

#	Paper	IF	Citations
169	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
168	TRP channels. <i>Annual Review of Biochemistry</i> , 2007 , 76, 387-417	29.1	1452
167	Molecular characterization of the <i>Drosophila</i> trp locus: a putative integral membrane protein required for phototransduction. <i>Neuron</i> , 1989 , 2, 1313-23	13.9	846
166	The TRP channels, a remarkably functional family. <i>Cell</i> , 2002 , 108, 595-8	56.2	704
165	The TRP superfamily of cation channels. <i>Science Signaling</i> , 2005 , 2005, re3	8.8	600
164	Isolation of a putative phospholipase C gene of <i>Drosophila</i> , norpA, and its role in phototransduction. <i>Cell</i> , 1988 , 54, 723-33	56.2	593
163	A unified nomenclature for the superfamily of TRP cation channels. <i>Molecular Cell</i> , 2002 , 9, 229-31	17.6	525
162	TRPC1, a human homolog of a <i>Drosophila</i> store-operated channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 9652-6	11.5	508
161	p53 mediates cellular dysfunction and behavioral abnormalities in Huntington's disease. <i>Neuron</i> , 2005 , 47, 29-41	13.9	376
160	Resolving the functions of overlapping viral genes by site-specific mutagenesis at a mRNA splice site. <i>Nature</i> , 1982 , 295, 380-4	50.4	364
159	repo encodes a glial-specific homeo domain protein required in the <i>Drosophila</i> nervous system. <i>Genes and Development</i> , 1994 , 8, 981-94	12.6	318
158	TRPM5 is a voltage-modulated and Ca(2+)-activated monovalent selective cation channel. <i>Current Biology</i> , 2003 , 13, 1153-8	6.3	317
157	International Union of Pharmacology. XLIX. Nomenclature and structure-function relationships of transient receptor potential channels. <i>Pharmacological Reviews</i> , 2005 , 57, 427-50	22.5	308
156	The <i>Drosophila</i> ninaC locus encodes two photoreceptor cell specific proteins with domains homologous to protein kinases and the myosin heavy chain head. <i>Cell</i> , 1988 , 52, 757-72	56.2	289
155	Inhibition of RNA cleavage but not polyadenylation by a point mutation in mRNA 3' consensus sequence AAUAAA. <i>Nature</i> , 1983 , 305, 600-5	50.4	289
154	Activation of a TRPC3-dependent cation current through the neurotrophin BDNF. <i>Neuron</i> , 1999 , 24, 261-73	13.9	282
153	Musashi, a neural RNA-binding protein required for <i>Drosophila</i> adult external sensory organ development. <i>Neuron</i> , 1994 , 13, 67-81	13.9	282

152	Coassembly of TRP and TRPL produces a distinct store-operated conductance. <i>Cell</i> , 1997 , 89, 1155-64	56.2	280
151	Peripheral coding of taste. <i>Neuron</i> , 2014 , 81, 984-1000	13.9	273
150	Requirement for the PDZ domain protein, INAD, for localization of the TRP store-operated channel to a signaling complex. <i>Neuron</i> , 1997 , 18, 95-105	13.9	272
149	Visual transduction in <i>Drosophila</i> . <i>Annual Review of Cell and Developmental Biology</i> , 1999 , 15, 231-68	12.6	261
148	Complete transformation by adenovirus 2 requires both E1A proteins. <i>Cell</i> , 1984 , 36, 951-61	56.2	248
147	Phototransduction and retinal degeneration in <i>Drosophila</i> . <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 454, 821-47	4.6	216
146	A <i>Drosophila</i> model for LRRK2-linked parkinsonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2693-8	11.5	213
145	The molecular basis for attractive salt-taste coding in <i>Drosophila</i> . <i>Science</i> , 2013 , 340, 1334-8	33.3	206
144	International Union of Pharmacology. XLIII. Compendium of voltage-gated ion channels: transient receptor potential channels. <i>Pharmacological Reviews</i> , 2003 , 55, 591-6	22.5	206
143	A taste of the <i>Drosophila</i> gustatory receptors. <i>Current Opinion in Neurobiology</i> , 2009 , 19, 345-53	7.6	199
142	Coordination of an array of signaling proteins through homo- and heteromeric interactions between PDZ domains and target proteins. <i>Journal of Cell Biology</i> , 1998 , 142, 545-55	7.3	198
141	Rescue of the <i>Drosophila</i> phototransduction mutation <i>trp</i> by germline transformation. <i>Science</i> , 1985 , 230, 1040-3	33.3	190
140	A taste receptor required for the caffeine response in vivo. <i>Current Biology</i> , 2006 , 16, 1812-7	6.3	189
139	A <i>Drosophila</i> gustatory receptor essential for aversive taste and inhibiting male-to-male courtship. <i>Current Biology</i> , 2009 , 19, 1623-7	6.3	187
138	A second opsin gene expressed in the ultraviolet-sensitive R7 photoreceptor cells of <i>Drosophila melanogaster</i> . <i>Journal of Neuroscience</i> , 1987 , 7, 1558-66	6.6	180
137	Regulation of melastatin, a TRP-related protein, through interaction with a cytoplasmic isoform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10692-7	11.5	177
136	A rhodopsin gene expressed in photoreceptor cell R7 of the <i>Drosophila</i> eye: homologies with other signal-transducing molecules. <i>Journal of Neuroscience</i> , 1987 , 7, 1550-7	6.6	173
135	Motor deficit in a <i>Drosophila</i> model of mucopolipidosis type IV due to defective clearance of apoptotic cells. <i>Cell</i> , 2008 , 135, 838-51	56.2	166

134	Avoiding DEET through insect gustatory receptors. <i>Neuron</i> , 2010 , 67, 555-61	13.9	165
133	Integration of phosphoinositide- and calmodulin-mediated regulation of TRPC6. <i>Molecular Cell</i> , 2007 , 25, 491-503	17.6	163
132	TRP and the PDZ protein, INAD, form the core complex required for retention of the signalplex in <i>Drosophila</i> photoreceptor cells. <i>Journal of Cell Biology</i> , 2000 , 150, 1411-22	7.3	160
131	Kinetic scaffolding mediated by a phospholipase C-beta and Gq signaling complex. <i>Science</i> , 2010 , 330, 974-80	33.3	158
130	Multiple gustatory receptors required for the caffeine response in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 4495-500	11.5	156
129	Function of rhodopsin in temperature discrimination in <i>Drosophila</i> . <i>Science</i> , 2011 , 331, 1333-6	33.3	149
128	Gr64f is required in combination with other gustatory receptors for sugar detection in <i>Drosophila</i> . <i>Current Biology</i> , 2008 , 18, 1797-801	6.3	148
127	<i>Drosophila</i> visual transduction. <i>Trends in Neurosciences</i> , 2012 , 35, 356-63	13.3	146
126	A <i>Drosophila</i> gustatory receptor required for the responses to sucrose, glucose, and maltose identified by mRNA tagging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14110-5	11.5	145
125	An odorant-binding protein required for suppression of sweet taste by bitter chemicals. <i>Neuron</i> , 2013 , 79, 725-37	13.9	144
124	TRPgamma, a <i>drosophila</i> TRP-related subunit, forms a regulated cation channel with TRPL. <i>Neuron</i> , 2000 , 26, 647-57	13.9	144
123	tramtrack is a transcriptional repressor required for cell fate determination in the <i>Drosophila</i> eye. <i>Genes and Development</i> , 1993 , 7, 1085-96	12.6	139
122	Assessment of the role of the inositol 1,4,5-trisphosphate receptor in the activation of transient receptor potential channels and store-operated Ca ²⁺ entry channels. <i>Journal of Biological Chemistry</i> , 2001 , 276, 18888-96	5.4	135
121	Differential localizations of and requirements for the two <i>Drosophila</i> ninaC kinase/myosins in photoreceptor cells. <i>Journal of Cell Biology</i> , 1992 , 116, 683-93	7.3	135
120	Dependence of calmodulin localization in the retina on the NINAC unconventional myosin. <i>Science</i> , 1993 , 262, 1038-42	33.3	131
119	<i>Drosophila</i> TRPA1 channel mediates chemical avoidance in gustatory receptor neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 8440-5	11.5	129
118	Control of thermotactic behavior via coupling of a TRP channel to a phospholipase C signaling cascade. <i>Nature Neuroscience</i> , 2008 , 11, 871-3	25.5	126
117	<i>Drosophila</i> TRPA1 channel is required to avoid the naturally occurring insect repellent citronellal. <i>Current Biology</i> , 2010 , 20, 1672-8	6.3	124

116	Lysosomal localization of TRPML3 depends on TRPML2 and the mucopolipidosis-associated protein TRPML1. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17517-17527	5.4	118
115	A flagellar polycystin-2 homolog required for male fertility in <i>Drosophila</i> . <i>Current Biology</i> , 2003 , 13, 2179-84	6.4	117
114	New light on TRP and TRPL. <i>Molecular Pharmacology</i> , 1997 , 52, 755-63	4.3	116
113	Distinct roles of the <i>Drosophila</i> ninaC kinase and myosin domains revealed by systematic mutagenesis. <i>Journal of Cell Biology</i> , 1993 , 122, 601-12	7.3	115
112	Termination of phototransduction requires binding of the NINAC myosin III and the PDZ protein INAD. <i>Nature Neuroscience</i> , 1999 , 2, 447-53	25.5	112
111	Light activation, adaptation, and cell survival functions of the Na ⁺ /Ca ²⁺ exchanger CalX. <i>Neuron</i> , 2005 , 45, 367-78	13.9	104
110	TRP trapped in fly signaling web. <i>Current Opinion in Neurobiology</i> , 1998 , 8, 389-97	7.6	103
109	Light adaptation through phosphoinositide-regulated translocation of <i>Drosophila</i> visual arrestin. <i>Neuron</i> , 2003 , 39, 121-32	13.9	99
108	<i>Drosophila</i> TRP channels and animal behavior. <i>Life Sciences</i> , 2013 , 92, 394-403	6.8	97
107	Defective glia induce neuronal apoptosis in the repo visual system of <i>Drosophila</i> . <i>Neuron</i> , 1995 , 14, 581-90	9.9	97
106	WIDE AWAKE mediates the circadian timing of sleep onset. <i>Neuron</i> , 2014 , 82, 151-66	13.9	94
105	A lysosomal tetraspanin associated with retinal degeneration identified via a genome-wide screen. <i>EMBO Journal</i> , 2004 , 23, 811-22	13	94
104	Requirement for an enzymatic visual cycle in <i>Drosophila</i> . <i>Current Biology</i> , 2010 , 20, 93-102	6.3	90
103	<i>Drosophila</i> TRP channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 451, 19-28	4.6	86
102	Enhanced expression of adenovirus transforming proteins. <i>Journal of Virology</i> , 1982 , 44, 276-85	6.6	86
101	Forcing open TRP channels: Mechanical gating as a unifying activation mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 460, 22-5	3.4	85
100	Mg ²⁺ homeostasis: the Mg ²⁺ -sensitive TRPM channels. <i>Current Biology</i> , 2003 , 13, R799-801	6.3	85
99	<i>Drosophila</i> TRPML is required for TORC1 activation. <i>Current Biology</i> , 2012 , 22, 1616-21	6.3	83

98	Retinal targets for calmodulin include proteins implicated in synaptic transmission. <i>Journal of Biological Chemistry</i> , 1998 , 273, 31297-307	5.4	80
97	A rhodopsin in the brain functions in circadian photoentrainment in <i>Drosophila</i> . <i>Nature</i> , 2017 , 545, 340-344	34.4	79
96	Fine thermotactic discrimination between the optimal and slightly cooler temperatures via a TRPV channel in chordotonal neurons. <i>Journal of Neuroscience</i> , 2010 , 30, 10465-71	6.6	79
95	The history of TRP channels, a commentary and reflection. <i>Pflugers Archiv European Journal of Physiology</i> , 2011 , 461, 499-506	4.6	77
94	Dissection of the pathway required for generation of vitamin A and for <i>Drosophila</i> phototransduction. <i>Journal of Cell Biology</i> , 2007 , 177, 305-16	7.3	77
93	Light-dependent translocation of visual arrestin regulated by the NINAC myosin III. <i>Neuron</i> , 2004 , 43, 95-103	13.9	70
92	Requirement for <i>Drosophila</i> SNMP1 for rapid activation and termination of pheromone-induced activity. <i>PLoS Genetics</i> , 2014 , 10, e1004600	6	67
91	TRP channels in <i>Drosophila</i> photoreceptor cells. <i>Journal of Physiology</i> , 2005 , 567, 45-51	3.9	66
90	The full repertoire of <i>Drosophila</i> gustatory receptors for detecting an aversive compound. <i>Nature Communications</i> , 2015 , 6, 8867	17.4	63
89	Defective proboscis extension response (DPR), a member of the Ig superfamily required for the gustatory response to salt. <i>Journal of Neuroscience</i> , 2002 , 22, 3463-72	6.6	62
88	The venerable inveterate invertebrate TRP channels. <i>Cell Calcium</i> , 2003 , 33, 409-17	4	61
87	Unconventional Roles of Opsins. <i>Annual Review of Cell and Developmental Biology</i> , 2017 , 33, 241-264	12.6	58
86	Calmodulin regulation of calcium stores in phototransduction of <i>Drosophila</i> . <i>Science</i> , 1997 , 275, 1119-21	33.3	56
85	The Basis of Food Texture Sensation in <i>Drosophila</i> . <i>Neuron</i> , 2016 , 91, 863-877	13.9	54
84	Food experience-induced taste desensitization modulated by the <i>Drosophila</i> TRPL channel. <i>Nature Neuroscience</i> , 2013 , 16, 1468-76	25.5	54
83	Gustatory receptors required for avoiding the insecticide L-canavanine. <i>Journal of Neuroscience</i> , 2012 , 32, 1429-35	6.6	53
82	<i>Drosophila</i> TRPA1 functions in temperature control of circadian rhythm in pacemaker neurons. <i>Journal of Neuroscience</i> , 2013 , 33, 6716-25	6.6	48
81	Dissecting independent channel and scaffolding roles of the <i>Drosophila</i> transient receptor potential channel. <i>Journal of Cell Biology</i> , 2005 , 171, 685-94	7.3	48

80	Drosophila sperm swim backwards in the female reproductive tract and are activated via TRPP2 ion channels. <i>PLoS ONE</i> , 2011 , 6, e20031	3.7	48
79	Calcium Taste Avoidance in Drosophila. <i>Neuron</i> , 2018 , 97, 67-74.e4	13.9	47
78	Control of adenovirus E1B mRNA synthesis by a shift in the activities of RNA splice sites. <i>Molecular and Cellular Biology</i> , 1984 , 4, 966-72	4.8	47
77	TRPA1 mediates sensation of the rate of temperature change in Drosophila larvae. <i>Nature Neuroscience</i> , 2017 , 20, 34-41	25.5	46
76	Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca signaling in the midgut. <i>ELife</i> , 2017 , 6,	8.9	46
75	In vivo identification and manipulation of the Ca ²⁺ selectivity filter in the Drosophila transient receptor potential channel. <i>Journal of Neuroscience</i> , 2007 , 27, 604-15	6.6	46
74	Requirement for the NINAC kinase/myosin for stable termination of the visual cascade. <i>Journal of Neuroscience</i> , 1998 , 18, 9601-6	6.6	44
73	Regulation of Drosophila neural development by a putative secreted protein. <i>Differentiation</i> , 1992 , 52, 1-11	3.5	44
72	A Switch in Thermal Preference in Drosophila Larvae Depends on Multiple Rhodopsins. <i>Cell Reports</i> , 2016 , 17, 336-344	10.6	43
71	Rhodopsin formation in Drosophila is dependent on the PINTA retinoid-binding protein. <i>Journal of Neuroscience</i> , 2005 , 25, 5187-94	6.6	42
70	The Drosophila visual cycle and de novo chromophore synthesis depends on rdhB. <i>Journal of Neuroscience</i> , 2012 , 32, 3485-91	6.6	39
69	A phosphoinositide synthase required for a sustained light response. <i>Journal of Neuroscience</i> , 2006 , 26, 12816-25	6.6	38
68	Regulation of the rhodopsin protein phosphatase, RDGC, through interaction with calmodulin. <i>Neuron</i> , 2001 , 32, 1097-106	13.9	38
67	Calmodulin regulation of light adaptation and store-operated dark current in Drosophila photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 5894-9	11.5	37
66	Rhodopsin kinase activity modulates the amplitude of the visual response in Drosophila. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11874-9	11.5	36
65	A Drosophila Gustatory Receptor Required for Strychnine Sensation. <i>Chemical Senses</i> , 2015 , 40, 525-33	4.8	35
64	Drosophila TRPM channel is essential for the control of extracellular magnesium levels. <i>PLoS ONE</i> , 2010 , 5, e10519	3.7	35
63	Differential regulation of the sleep homeostat by circadian and arousal inputs. <i>ELife</i> , 2019 , 8,	8.9	35

62	Core commitments for field trials of gene drive organisms. <i>Science</i> , 2020 , 370, 1417-1419	33.3	35
61	Evolutionarily conserved, multitasking TRP channels: lessons from worms and flies. <i>Handbook of Experimental Pharmacology</i> , 2014 , 223, 937-62	3.2	33
60	Thermoregulation: channels that are cool to the core. <i>Current Biology</i> , 2007 , 17, R885-7	6.3	33
59	Mechanism of Acetic Acid Gustatory Repulsion in <i>Drosophila</i> . <i>Cell Reports</i> , 2019 , 26, 1432-1442.e4	10.6	32
58	Neuromodulation of Courtship Drive through Tyramine-Responsive Neurons in the <i>Drosophila</i> Brain. <i>Current Biology</i> , 2016 , 26, 2246-56	6.3	31
57	Mosquito Sensory Systems. <i>Advances in Insect Physiology</i> , 2016 , 293-328	2.5	30
56	Dependence on the Lazaro phosphatidic acid phosphatase for the maximum light response. <i>Current Biology</i> , 2006 , 16, 723-9	6.3	29
55	Activation of an essential calcium signaling pathway in <i>Saccharomyces cerevisiae</i> by Kch1 and Kch2, putative low-affinity potassium transporters. <i>Eukaryotic Cell</i> , 2013 , 12, 204-14		25
54	Feast or famine: role of TRPML in preventing cellular amino acid starvation. <i>Autophagy</i> , 2013 , 9, 98-100	10.2	24
53	Suppression of constant-light-induced blindness but not retinal degeneration by inhibition of the rhodopsin degradation pathway. <i>Current Biology</i> , 2004 , 14, 2076-85	6.3	24
52	Dependence on a retinophilin/myosin complex for stability of PKC and INAD and termination of phototransduction. <i>Journal of Neuroscience</i> , 2010 , 30, 11337-45	6.6	23
51	Functions of Opsins in <i>Drosophila</i> Taste. <i>Current Biology</i> , 2020 , 30, 1367-1379.e6	6.3	22
50	Thermosensation: hot findings make TRPNs very cool. <i>Current Biology</i> , 2003 , 13, R476-8	6.3	22
49	Elimination of mRNA splicing by a point mutation outside the conserved GU at 5Splice sites. <i>Nucleic Acids Research</i> , 1984 , 12, 3821-7	20.1	22
48	The SOCS box protein STOPS is required for phototransduction through its effects on phospholipase C. <i>Neuron</i> , 2008 , 57, 56-68	13.9	20
47	Coordination and fine motor control depend on <i>Drosophila</i> TRP. <i>Nature Communications</i> , 2015 , 6, 7288	17.4	19
46	Dynamic regulation of the INAD signaling scaffold becomes crystal clear. <i>Cell</i> , 2007 , 131, 19-21	56.2	19
45	Neuropeptide F regulates courtship in through a male-specific neuronal circuit. <i>ELife</i> , 2019 , 8,	8.9	19

44	TRP channels: it's not the heat, it's the humidity. <i>Current Biology</i> , 2008 , 18, R123-6	6.3	18
43	Structural Insights into the <i>Drosophila melanogaster</i> Retinol Dehydrogenase, a Member of the Short-Chain Dehydrogenase/Reductase Family. <i>Biochemistry</i> , 2016 , 55, 6545-6557	3.2	14
42	Gustatory receptors: not just for good taste. <i>Current Biology</i> , 2013 , 23, R929-32	6.3	14
41	Suppressing mosquito populations with precision guided sterile males. <i>Nature Communications</i> , 2021 , 12, 5374	17.4	14
40	Light-induced translocation of <i>Drosophila</i> visual Arrestin2 depends on Rac2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 4740-5	11.5	13
39	Molecular genetics of <i>Drosophila</i> vision. <i>BioEssays</i> , 1989 , 11, 43-8	4.1	13
38	Temperature and Sweet Taste Integration in <i>Drosophila</i> . <i>Current Biology</i> , 2020 , 30, 2051-2067.e5	6.3	12
37	The mitochondrial transporter SLC25A25 links ciliary TRPP2 signaling and cellular metabolism. <i>PLoS Biology</i> , 2018 , 16, e2005651	9.7	12
36	Activated RIC, a small GTPase, genetically interacts with the Ras pathway and calmodulin during <i>Drosophila</i> development. <i>Developmental Dynamics</i> , 2005 , 232, 817-26	2.9	11
35	Take a TRP to beat the heat. <i>Genes and Development</i> , 2005 , 19, 415-8	12.6	11
34	<i>Drosophila</i> sensory receptors-a set of molecular Swiss Army Knives. <i>Genetics</i> , 2021 , 217, 1-34	4	11
33	An exciting release on TRPM7. <i>Neuron</i> , 2006 , 52, 395-7	13.9	10
32	An end in sight to a long TRP. <i>Neuron</i> , 2001 , 30, 3-5	13.9	10
31	pHirst sour taste channels pHound?. <i>Science</i> , 2018 , 359, 991-992	33.3	9
30	Suppression of the motor deficit in a mucopolidosis type IV mouse model by bone marrow transplantation. <i>Human Molecular Genetics</i> , 2016 , 25, 2752-2761	5.6	9
29	TRP and Rhodopsin Transport Depends on Dual XPORT ER Chaperones Encoded by an Operon. <i>Cell Reports</i> , 2015 , 13, 573-584	10.6	8
28	Suppression of female fertility in with a CRISPR-targeted male-sterile mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
27	RdgB2 is required for dim-light input into intrinsically photosensitive retinal ganglion cells. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3671-8	3.5	7

26	An octopamine receptor confers selective toxicity of amitraz on honeybees and mites. <i>ELife</i> , 2021 , 10,	8.9	7
25	Elimination of vision-guided target attraction in <i>Aedes aegypti</i> using CRISPR. <i>Current Biology</i> , 2021 , 31, 4180-4187.e6	6.3	7
24	The Role of Y Chromosome Genes in Male Fertility in. <i>Genetics</i> , 2020 , 215, 623-633	4	6
23	In search of the holy grail for <i>Drosophila</i> TRP. <i>Neuron</i> , 2008 , 58, 825-7	13.9	5
22	Requirement for an Otopettrin-like protein for acid taste in .. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
21	Rapid Release of Ca from Endoplasmic Reticulum Mediated by Na/Ca Exchange. <i>Journal of Neuroscience</i> , 2020 , 40, 3152-3164	6.6	5
20	Preventing a Perm with TRPV3. <i>Cell</i> , 2010 , 141, 218-20	56.2	4
19	Molecular Genetics of <i>Drosophila</i> TRP Channels. <i>Novartis Foundation Symposium</i> , 2008 , 3-17		4
18	The olfactory gating of visual preferences to human skin and visible spectra in mosquitoes.. <i>Nature Communications</i> , 2022 , 13, 555	17.4	3
17	Mechanism for food texture preference based on grittiness. <i>Current Biology</i> , 2021 , 31, 1850-1861.e6	6.3	3
16	Calmodulin binds to <i>Drosophila</i> TRP with an unexpected mode. <i>Structure</i> , 2021 , 29, 330-344.e4	5.2	3
15	Molecular genetics of <i>Drosophila</i> TRP channels. <i>Novartis Foundation Symposium</i> , 2004 , 258, 3-12; discussion 12-7, 98-102, 263-6		3
14	Coordinated Movement: Watching Proprioception Unfold. <i>Current Biology</i> , 2019 , 29, R202-R205	6.3	2
13	Reversing insecticide resistance with allelic-drive in <i>Drosophila melanogaster</i> .. <i>Nature Communications</i> , 2022 , 13, 291	17.4	2
12	Author response: Oxidative stress induces stem cell proliferation via TRPA1/RyR-mediated Ca ²⁺ signaling in the <i>Drosophila</i> midgut 2017 ,		2
11	<i>Aedes aegypti</i> vision-guided target recognition requires two redundant rhodopsins		2
10	Eliminating Mosquitoes with Precision Guided Sterile Males		2
9	Eliminating Mosquitoes with Precision Guided Sterile Males		2

8	A DREaMR system to simplify combining mutations with rescue transgenes in <i>Aedes aegypti</i> . <i>Genetics</i> , 2021 , 219,	4	2
7	A Family of Auxiliary Subunits of the TRP Cation Channel Encoded by the Complex Locus. <i>Genetics</i> , 2020 , 215, 713-728	4	1
6	A Temperature Gradient Assay to Determine Thermal Preferences of <i>Drosophila</i> Larvae. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
5	An Autonomous Molecular Bioluminescent Reporter (AMBER) for Voltage Imaging in Freely Moving Animals. <i>Advanced Biology</i> , 2021 , 5, e2100842		1
4	Dietary restriction and clock delay eye aging to extend lifespan in <i>D. melanogaster</i>		1
3	Requirement for an Otopetrin-Like protein for acid taste in <i>Drosophila</i>		1
2	Regulation of <i>Drosophila</i> Visual Transduction Through a Supramolecular Signaling Complex 2000 , 85-97		
1	NinaC: NinaC gene product (<i>D. melanogaster</i>) 1995 , 371-373		