

Gregg Roman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

6,434
citations

26
h-index

52
g-index

52
ext. papers

7,141
ext. citations

11
avg, IF

5.26
L-index

#	Paper	IF	Citations
51	CTR1, a negative regulator of the ethylene response pathway in Arabidopsis, encodes a member of the raf family of protein kinases. <i>Cell</i> , 1993 , 72, 427-41	56.2	1640
50	EIN2, a bifunctional transducer of ethylene and stress responses in Arabidopsis. <i>Science</i> , 1999 , 284, 2148-52	33.3	1010
49	Activation of the ethylene gas response pathway in Arabidopsis by the nuclear protein ETHYLENE-INSENSITIVE3 and related proteins. <i>Cell</i> , 1997 , 89, 1133-44	56.2	776
48	P[Switch], a system for spatial and temporal control of gene expression in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 12602-7	11.5	306
47	Regulation of <i>Drosophila</i> life span by olfaction and food-derived odors. <i>Science</i> , 2007 , 315, 1133-7	33.3	297
46	Epigenetic spreading of the <i>Drosophila</i> dosage compensation complex from roX RNA genes into flanking chromatin. <i>Cell</i> , 1999 , 98, 513-22	56.2	253
45	roX1 RNA paints the X chromosome of male <i>Drosophila</i> and is regulated by the dosage compensation system. <i>Cell</i> , 1997 , 88, 445-57	56.2	239
44	Gene expression systems in <i>Drosophila</i> : a synthesis of time and space. <i>Trends in Genetics</i> , 2004 , 20, 384-91	11.5	216
43	mTORC2 controls actin polymerization required for consolidation of long-term memory. <i>Nature Neuroscience</i> , 2013 , 16, 441-8	25.5	197
42	Pharmacogenetic rescue in time and space of the rutabaga 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	11.5	129
41	Melatonin suppresses nighttime memory formation in zebrafish. <i>Science</i> , 2007 , 318, 1144-6	33.3	122
40	Molecular biology and anatomy of <i>Drosophila</i> olfactory associative learning. <i>BioEssays</i> , 2001 , 23, 571-81	4.1	118
39	A role for the adult fat body in <i>Drosophila</i> male courtship behavior. <i>PLoS Genetics</i> , 2007 , 3, e16	6	108
38	Cycling behavior and memory formation. <i>Journal of Neuroscience</i> , 2009 , 29, 12824-30	6.6	97
37	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, 215-34	4	83
36	The blue-light photoreceptor CRYPTOCHROME is expressed in a subset of circadian oscillator neurons in the <i>Drosophila</i> CNS. <i>Journal of Biological Rhythms</i> , 2008 , 23, 296-307	3.2	79
35	kurtz, a novel nonvisual arrestin, is an essential neural gene in <i>Drosophila</i> . <i>Genetics</i> , 2000 , 155, 1281-95	4	71

34	Circadian modulation of short-term memory in <i>Drosophila</i> . <i>Learning and Memory</i> , 2009 , 16, 19-27	2.8	67
33	G(o) signaling is required for <i>Drosophila</i> associative learning. <i>Nature Neuroscience</i> , 2006 , 9, 1036-40	25.5	53
32	Exploratory activity in <i>Drosophila</i> requires the kurtz nonvisual arrestin. <i>Genetics</i> , 2007 , 175, 1197-212	4	45
31	Carbon dioxide sensing modulates lifespan and physiology in <i>Drosophila</i> . <i>PLoS Biology</i> , 2010 , 8, e1000356	5.7	44
30	Differentially timed extracellular signals synchronize pacemaker neuron clocks. <i>PLoS Biology</i> , 2014 , 12, e1001959	9.7	42
29	The propensity for consuming ethanol in <i>Drosophila</i> requires rutabaga adenyl cyclase expression within mushroom body neurons. <i>Genes, Brain and Behavior</i> , 2012 , 11, 727-39	3.6	39
28	Open-field arena boundary is a primary object of exploration for <i>Drosophila</i> . <i>Brain and Behavior</i> , 2012 , 2, 97-108	3.4	37
27	Conditional expression of UAS-transgenes in the adult eye with a new gene-switch vector system. <i>Genesis</i> , 2002 , 34, 127-31	1.9	36
26	Go contributes to olfactory reception in <i>Drosophila melanogaster</i> . <i>BMC Physiology</i> , 2009 , 9, 22	0	26
25	Quantum origins of molecular recognition and olfaction in <i>Drosophila</i> . <i>Journal of Chemical Physics</i> , 2012 , 137, 22A551	3.9	26
24	The opt1 gene of <i>Drosophila melanogaster</i> encodes a proton-dependent dipeptide transporter. <i>American Journal of Physiology - Cell Physiology</i> , 1998 , 275, C857-69	5.4	26
23	The pre-synaptic Munc13-1 binds alcohol and modulates alcohol self-administration in <i>Drosophila</i> . <i>Journal of Neurochemistry</i> , 2013 , 126, 715-26	6	25
22	A <i>Drosophila</i> nonvisual arrestin is required for the maintenance of olfactory sensitivity. <i>Chemical Senses</i> , 2006 , 31, 49-62	4.8	23
21	Genetic analysis of a seedling stress response to ethylene in <i>Arabidopsis</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1995 , 350, 75-81	5.8	23
20	TORC2: a novel target for treating age-associated memory impairment. <i>Scientific Reports</i> , 2015 , 5, 15193	4.9	22
19	Presynaptic inhibition of gamma lobe neurons is required for olfactory learning in <i>Drosophila</i> . <i>Current Biology</i> , 2013 , 23, 2519-27	6.3	21
18	The genetics of <i>Drosophila</i> transgenics. <i>BioEssays</i> , 2004 , 26, 1243-53	4.1	18
17	Functional characterization of kurtz, a <i>Drosophila</i> non-visual arrestin, reveals conservation of GPCR desensitization mechanisms. <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 1016-22	4.5	16

16	New series of <i>Drosophila</i> expression vectors suitable for behavioral rescue. <i>BioTechniques</i> , 1999 , 27, 54-6	2.5	15
15	Excision and transposition of two Ds transposons from the bronze mutable 4 derivative 6856 allele of <i>Zea mays</i> L. <i>Molecular Genetics and Genomics</i> , 1990 , 221, 475-85		14
14	Modeling novelty habituation during exploratory activity in <i>Drosophila</i> . <i>Behavioural Processes</i> , 2013 , 97, 63-75	1.6	11
13	Ethanol Regulates Presynaptic Activity and Sedation through Presynaptic Unc13 Proteins in. <i>ENeuro</i> , 2018 , 5,	3.9	11
12	G(o) activation is required for both appetitive and aversive memory acquisition in <i>Drosophila</i> . <i>Learning and Memory</i> , 2012 , 19, 26-34	2.8	10
11	<i>Drosophila</i> increase exploration after visually detecting predators. <i>PLoS ONE</i> , 2017 , 12, e0180749	3.7	9
10	The FlyBar: administering alcohol to flies. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	9
9	Modeling <i>Drosophila</i> positional preferences in open field arenas with directional persistence and wall attraction. <i>PLoS ONE</i> , 2012 , 7, e46570	3.7	8
8	Exploratory activity and habituation of <i>Drosophila</i> in confined domains. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 1787-1803	2.3	4
7	EFFECTIVE MODELS FOR GENE NETWORKS AND THEIR APPLICATIONS. <i>Biophysical Reviews and Letters</i> , 2012 , 07, 41-70	1.2	4
6	Normal Ethanol Sensitivity and Rapid Tolerance Require the G Protein Receptor Kinase 2 in Ellipsoid Body Neurons in <i>Drosophila</i> . <i>Alcoholism: Clinical and Experimental Research</i> , 2020 , 44, 1686-1699	3.7	3
5	A theory for the arrangement of sensory organs in <i>Drosophila</i> . <i>Chaos</i> , 2010 , 20, 013132	3.3	2
4	Mutants of the ABCG Transporter in Have Deficient Olfactory Learning and Cholesterol Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
3	MUNC13-1 heterozygosity does not alter voluntary ethanol consumption or sensitivity in mice. <i>Alcohol</i> , 2020 , 83, 89-97	2.7	2
2	Memory formation: traversing the highwire. <i>Current Biology</i> , 2012 , 22, R927-9	6.3	
1	Melatonin Suppresses Nighttime Memory Formation in Zebrafish. <i>FASEB Journal</i> , 2008 , 22, 905.7	0.9	