

# Gregg Roman

## List of Publications by Year in Descending Order

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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	Mutants of the ABCG Transporter in Have Deficient Olfactory Learning and Cholesterol Homeostasis. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
50	Normal Ethanol Sensitivity and Rapid Tolerance Require the G Protein Receptor Kinase 2 in Ellipsoid Body Neurons in Drosophila. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2020</b> , 44, 1686-1699	3.7	3
49	MUNC13-1 heterozygosity does not alter voluntary ethanol consumption or sensitivity in mice. <i>Alcohol</i> , <b>2020</b> , 83, 89-97	2.7	2
48	Ethanol Regulates Presynaptic Activity and Sedation through Presynaptic Unc13 Proteins in. <i>ENeuro</i> , <b>2018</b> , 5,	3.9	11
47	Drosophila increase exploration after visually detecting predators. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180749	3.7	9
46	TORC2: a novel target for treating age-associated memory impairment. <i>Scientific Reports</i> , <b>2015</b> , 5, 15193	4.9	22
45	The FlyBar: administering alcohol to flies. <i>Journal of Visualized Experiments</i> , <b>2014</b> ,	1.6	9
44	Exploratory activity and habituation of Drosophila in confined domains. <i>European Physical Journal: Special Topics</i> , <b>2014</b> , 223, 1787-1803	2.3	4
43	Differentially timed extracellular signals synchronize pacemaker neuron clocks. <i>PLoS Biology</i> , <b>2014</b> , 12, e1001959	9.7	42
42	The pre-synaptic Munc13-1 binds alcohol and modulates alcohol self-administration in Drosophila. <i>Journal of Neurochemistry</i> , <b>2013</b> , 126, 715-26	6	25
41	Presynaptic inhibition of gamma lobe neurons is required for olfactory learning in Drosophila. <i>Current Biology</i> , <b>2013</b> , 23, 2519-27	6.3	21
40	mTORC2 controls actin polymerization required for consolidation of long-term memory. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 441-8	25.5	197
39	Modeling novelty habituation during exploratory activity in Drosophila. <i>Behavioural Processes</i> , <b>2013</b> , 97, 63-75	1.6	11
38	The propensity for consuming ethanol in Drosophila requires rutabaga adenylyl cyclase expression within mushroom body neurons. <i>Genes, Brain and Behavior</i> , <b>2012</b> , 11, 727-39	3.6	39
37	Memory formation: traversing the highwire. <i>Current Biology</i> , <b>2012</b> , 22, R927-9	6.3	
36	Modeling Drosophila positional preferences in open field arenas with directional persistence and wall attraction. <i>PLoS ONE</i> , <b>2012</b> , 7, e46570	3.7	8
35	Open-field arena boundary is a primary object of exploration for Drosophila. <i>Brain and Behavior</i> , <b>2012</b> , 2, 97-108	3.4	37

34	G(o) activation is required for both appetitive and aversive memory acquisition in <i>Drosophila</i> . <i>Learning and Memory</i> , <b>2012</b> , 19, 26-34	2.8	10
33	EFFECTIVE MODELS FOR GENE NETWORKS AND THEIR APPLICATIONS. <i>Biophysical Reviews and Letters</i> , <b>2012</b> , 07, 41-70	1.2	4
32	Quantum origins of molecular recognition and olfaction in <i>Drosophila</i> . <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 22A551	3.9	26
31	A theory for the arrangement of sensory organs in <i>Drosophila</i> . <i>Chaos</i> , <b>2010</b> , 20, 013132	3.3	2
30	Carbon dioxide sensing modulates lifespan and physiology in <i>Drosophila</i> . <i>PLoS Biology</i> , <b>2010</b> , 8, e1000356	5.7	44
29	Cycling behavior and memory formation. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 12824-30	6.6	97
28	Go contributes to olfactory reception in <i>Drosophila melanogaster</i> . <i>BMC Physiology</i> , <b>2009</b> , 9, 22	0	26
27	Circadian modulation of short-term memory in <i>Drosophila</i> . <i>Learning and Memory</i> , <b>2009</b> , 16, 19-27	2.8	67
26	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> , <b>2008</b> , 178, 215-34	4	83
25	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> , <b>2008</b> , 23, 296-307	3.2	79
24	Functional characterization of kurtz, a <i>Drosophila</i> non-visual arrestin, reveals conservation of GPCR desensitization mechanisms. <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 1016-22	4.5	16
23	Melatonin Suppresses Nighttime Memory Formation in Zebrafish. <i>FASEB Journal</i> , <b>2008</b> , 22, 905.7	0.9	
22	Melatonin suppresses nighttime memory formation in zebrafish. <i>Science</i> , <b>2007</b> , 318, 1144-6	33.3	122
21	A role for the adult fat body in <i>Drosophila</i> male courtship behavior. <i>PLoS Genetics</i> , <b>2007</b> , 3, e16	6	108
20	Exploratory activity in <i>Drosophila</i> requires the kurtz nonvisual arrestin. <i>Genetics</i> , <b>2007</b> , 175, 1197-212	4	45
19	Regulation of <i>Drosophila</i> life span by olfaction and food-derived odors. <i>Science</i> , <b>2007</b> , 315, 1133-7	33.3	297
18	A <i>Drosophila</i> nonvisual arrestin is required for the maintenance of olfactory sensitivity. <i>Chemical Senses</i> , <b>2006</b> , 31, 49-62	4.8	23
17	G(o) signaling is required for <i>Drosophila</i> associative learning. <i>Nature Neuroscience</i> , <b>2006</b> , 9, 1036-40	25.5	53

16	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> , <b>2004</b> , 101, 198-203	11.5	129
15	Gene expression systems in Drosophila: a synthesis of time and space. <i>Trends in Genetics</i> , <b>2004</b> , 20, 384-98	11.5	216
14	The genetics of Drosophila transgenics. <i>BioEssays</i> , <b>2004</b> , 26, 1243-53	4.1	18
13	Conditional expression of UAS-transgenes in the adult eye with a new gene-switch vector system. <i>Genesis</i> , <b>2002</b> , 34, 127-31	1.9	36
12	Molecular biology and anatomy of Drosophila olfactory associative learning. <i>BioEssays</i> , <b>2001</b> , 23, 571-81	4.1	118
11	P[Switch], a system for spatial and temporal control of gene expression in Drosophila melanogaster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 12602-7	11.5	306
10	kurtz, a novel nonvisual arrestin, is an essential neural gene in Drosophila. <i>Genetics</i> , <b>2000</b> , 155, 1281-95	4	71
9	New series of Drosophila expression vectors suitable for behavioral rescue. <i>BioTechniques</i> , <b>1999</b> , 27, 54-6	2.5	15
8	EIN2, a bifunctional transducer of ethylene and stress responses in Arabidopsis. <i>Science</i> , <b>1999</b> , 284, 2148-52	33.3	1010
7	Epigenetic spreading of the Drosophila dosage compensation complex from roX RNA genes into flanking chromatin. <i>Cell</i> , <b>1999</b> , 98, 513-22	56.2	253
6	The opt1 gene of Drosophila melanogaster encodes a proton-dependent dipeptide transporter. <i>American Journal of Physiology - Cell Physiology</i> , <b>1998</b> , 275, C857-69	5.4	26
5	Activation of the ethylene gas response pathway in Arabidopsis by the nuclear protein ETHYLENE-INSENSITIVE3 and related proteins. <i>Cell</i> , <b>1997</b> , 89, 1133-44	56.2	776
4	roX1 RNA paints the X chromosome of male Drosophila and is regulated by the dosage compensation system. <i>Cell</i> , <b>1997</b> , 88, 445-57	56.2	239
3	Genetic analysis of a seedling stress response to ethylene in Arabidopsis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>1995</b> , 350, 75-81	5.8	23
2	CTR1, a negative regulator of the ethylene response pathway in Arabidopsis, encodes a member of the raf family of protein kinases. <i>Cell</i> , <b>1993</b> , 72, 427-41	56.2	1640
1	Excision and transposition of two Ds transposons from the bronze mutable 4 derivative 6856 allele of Zea mays L. <i>Molecular Genetics and Genomics</i> , <b>1990</b> , 221, 475-85		14