Andrew C Olson

List of Publications by Year
in descending order

21 papers	932 citations	471061 17 h-index	713013 21 g-index
24 all docs	24 docs citations	24 times ranked	1017 citing authors

#	Article	IF	Citations
1	The neural G protein GÎ±o tagged with GFP at an internal loop is functional in Caenorhabditis elegans. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	3
2	Cellular Expression and Functional Roles of All 26 Neurotransmitter GPCRs in the C. elegans Egg-Laying Circuit. Journal of Neuroscience, 2020, 40, 7475-7488.	1.7	19
3	Serotonin and neuropeptides are both released by the HSN command neuron to initiate Caenorhabditis elegans egg laying. PLoS Genetics, 2019, 15, e1007896.	1.5	51
4	The protein kinase G orthologs, EGL-4 and PKG-2, mediate serotonin-induced paralysis of. MicroPublication Biology, 2019, 2019, .	0.1	2
5	Neurotransmitter signaling through heterotrimeric G proteins: insights from studies in C. elegans. WormBook, 2018, 2018, 1-52.	5.3	34
6	Neural Architecture of Hunger-Dependent Multisensory Decision Making in C.Âelegans. Neuron, 2016, 92, 1049-1062.	3.8	101
7	Evolutionary Conservation of a GPCR-Independent Mechanism of Trimeric G Protein Activation. Molecular Biology and Evolution, 2016, 33, 820-837.	3.5	32
8	Activity of the C. elegans egg-laying behavior circuit is controlled by competing activation and feedback inhibition. ELife, 2016, 5, .	2.8	80
9	An Evolutionarily Conserved Switch in Response to GABA Affects Development and Behavior of the Locomotor Circuit of Caenorhabditis elegans. Genetics, 2015, 199, 1159-1172.	1.2	32
10	RNA ligation in neurons by RtcB inhibits axon regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8451-8456.	3.3	58
11	Postsynaptic ERG Potassium Channels Limit Muscle Excitability to Allow Distinct Egg-Laying Behavior States inCaenorhabditis elegans. Journal of Neuroscience, 2013, 33, 761-775.	1.7	48
12	LIN-12/Notch signaling instructs postsynaptic muscle arm development by regulating UNC-40/DCC and MADD-2 in Caenorhabditis elegans. ELife, 2013, 2, e00378.	2.8	28
13	AGS-3 AltersCaenorhabditis elegansBehavior after Food Deprivation via RIC-8 Activation of the Neural G Protein GÎ±_o. Journal of Neuroscience, 2011, 31, 11553-11562.	1.7	29
14	RSBP-1 Is a Membrane-targeting Subunit Required by the GÎ±_q-specific But Not the GÎ±_o-specific R7 Regulator of G protein Signaling inCaenorhabditis elegans. Molecular Biology of the Cell, 2010, 21, 232-243.	0.9	13
15	Regulation of Serotonin Biosynthesis by the G Proteins GÎ±o and GÎ±q Controls Serotonin Signaling inCaenorhabditis elegans. Genetics, 2008, 178, 157-169.	1.2	59
16	Heterotrimeric G Protein Signaling: Getting inside the Cell. Cell, 2006, 126, 25-27.	13.5	33
17	Domains, Amino Acid Residues, and New Isoforms of Caenorhabditis elegans Diacylglycerol Kinase 1 (DGK-1) Important for Terminating Diacylglycerol Signaling in Vivo*. Journal of Biological Chemistry, 2005, 280, 2730-2736.	1.6	28
18	Genetic Analysis of RGS Protein Function in Caenorhabditis elegans. Methods in Enzymology, 2004, 389, 305-320.	0.4	37

#	Article	IF	Citations
19	Genetic and Cellular Basis for Acetylcholine Inhibition ofCaenorhabditis elegansEgg-Laying Behavior. Journal of Neuroscience, 2003, 23, 8060-8069.	1.7	121
20	An N-terminal Region of Caenorhabditis elegans RGS Proteins EGL-10 and EAT-16 Directs Inhibition of GÎ±o VersusGÎ±q Signaling. Journal of Biological Chemistry, 2002, 277, 47004-47013.	1.6	37
21	Two RGS proteins that inhibit GÎ±o and GÎ±q signaling in C. elegans neurons require a GÎ²5-like subunit for function. Current Biology, 2001, 11, 222-231.	1.8	86