

Andrew C Olson

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

932
citations

471061

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713013

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all docs

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24
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1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic and Cellular Basis for Acetylcholine Inhibition of <i>Caenorhabditis elegans</i> Egg-Laying Behavior. <i>Journal of Neuroscience</i> , 2003, 23, 8060-8069.	1.7	121
2	Neural Architecture of Hunger-Dependent Multisensory Decision Making in <i>C. elegans</i> . <i>Neuron</i> , 2016, 92, 1049-1062.	3.8	101
3	Two RGS proteins that inhibit $G_{\alpha o}$ and $G_{\alpha q}$ signaling in <i>C. elegans</i> neurons require a $G_{\beta 5}$ -like subunit for function. <i>Current Biology</i> , 2001, 11, 222-231.	1.8	86
4	Activity of the <i>C. elegans</i> egg-laying behavior circuit is controlled by competing activation and feedback inhibition. <i>ELife</i> , 2016, 5, .	2.8	80
5	Regulation of Serotonin Biosynthesis by the G Proteins $G_{\alpha o}$ and $G_{\alpha q}$ Controls Serotonin Signaling in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2008, 178, 157-169.	1.2	59
6	RNA ligation in neurons by RtcB inhibits axon regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8451-8456.	3.3	58
7	Serotonin and neuropeptides are both released by the HSN command neuron to initiate <i>Caenorhabditis elegans</i> egg laying. <i>PLoS Genetics</i> , 2019, 15, e1007896.	1.5	51
8	Postsynaptic ERG Potassium Channels Limit Muscle Excitability to Allow Distinct Egg-Laying Behavior States in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2013, 33, 761-775.	1.7	48
9	An N-terminal Region of <i>Caenorhabditis elegans</i> RGS Proteins EGL-10 and EAT-16 Directs Inhibition of $G_{\alpha o}$ Versus $G_{\alpha q}$ Signaling. <i>Journal of Biological Chemistry</i> , 2002, 277, 47004-47013.	1.6	37
10	Genetic Analysis of RGS Protein Function in <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2004, 389, 305-320.	0.4	37
11	Neurotransmitter signaling through heterotrimeric G proteins: insights from studies in <i>C. elegans</i> . <i>WormBook</i> , 2018, 2018, 1-52.	5.3	34
12	Heterotrimeric G Protein Signaling: Getting inside the Cell. <i>Cell</i> , 2006, 126, 25-27.	13.5	33
13	An Evolutionarily Conserved Switch in Response to GABA Affects Development and Behavior of the Locomotor Circuit of <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2015, 199, 1159-1172.	1.2	32
14	Evolutionary Conservation of a GPCR-Independent Mechanism of Trimeric G Protein Activation. <i>Molecular Biology and Evolution</i> , 2016, 33, 820-837.	3.5	32
15	AGS-3 Alters <i>Caenorhabditis elegans</i> Behavior after Food Deprivation via RIC-8 Activation of the Neural G Protein $G_{\alpha o}$. <i>Journal of Neuroscience</i> , 2011, 31, 11553-11562.	1.7	29
16	Domains, Amino Acid Residues, and New Isoforms of <i>Caenorhabditis elegans</i> Diacylglycerol Kinase 1 (DGK-1) Important for Terminating Diacylglycerol Signaling in Vivo*. <i>Journal of Biological Chemistry</i> , 2005, 280, 2730-2736.	1.6	28
17	LIN-12/Notch signaling instructs postsynaptic muscle arm development by regulating UNC-40/DCC and MADD-2 in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2013, 2, e00378.	2.8	28
18	Cellular Expression and Functional Roles of All 26 Neurotransmitter GPCRs in the <i>C. elegans</i> Egg-Laying Circuit. <i>Journal of Neuroscience</i> , 2020, 40, 7475-7488.	1.7	19

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19	RSBP-1 Is a Membrane-targeting Subunit Required by the G _q -specific But Not the G _o -specific R7 Regulator of G protein Signaling in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2010, 21, 232-243.	0.9	13
20	The neural G protein G _o tagged with GFP at an internal loop is functional in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	3
21	The protein kinase G orthologs, EGL-4 and PKG-2, mediate serotonin-induced paralysis of. <i>MicroPublication Biology</i> , 2019, 2019, .	0.1	2