Glenn C Turner

List of Publications by Year
in descending order

27 papers	4,719 citations	304743 22 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	3872 citing authors

#	Article	IF	Citations
1	Oscillations and Sparsening of Odor Representations in the Mushroom Body. Science, 2002, 297, 359-365.	12.6	712
2	Transformation of Olfactory Representations in the Drosophila Antennal Lobe. Science, 2004, 303, 366-370.	12.6	497
3	Bright and photostable chemigenetic indicators for extended in vivo voltage imaging. Science, 2019, 365, 699-704.	12.6	362
4	Olfactory Representations by<i>Drosophila</i>Mushroom Body Neurons. Journal of Neurophysiology, 2008, 99, 734-746.	1.8	357
5	A connectome of a learning and memory center in the adult Drosophila brain. ELife, 2017, 6, .	6.0	308
6	Heterosynaptic Plasticity Underlies Aversive Olfactory Learning in Drosophila. Neuron, 2015, 88, 985-998.	8.1	294
7	Olfactory Information Processing in Drosophila. Current Biology, 2009, 19, R700-R713.	3.9	263
8	Detecting and Measuring Cotranslational Protein Degradation in Vivo. Science, 2000, 289, 2117-2120.	12.6	238
9	Cellular-Resolution Population Imaging Reveals Robust Sparse Coding in the<i>Drosophila</i>Mushroom Body. Journal of Neuroscience, 2011, 31, 11772-11785.	3.6	230
10	Peptides accelerate their uptake by activating a ubiquitin-dependent proteolytic pathway. Nature, 2000, 405, 579-583.	27.8	187
11	Integration of the olfactory code across dendritic claws of single mushroom body neurons. Nature Neuroscience, 2013, 16, 1821-1829.	14.8	155
12	Plasticity-driven individualization of olfactory coding in mushroom body output neurons. Nature, 2015, 526, 258-262.	27.8	142
13	The <i>Drosophila</i> Mushroom Body: From Architecture to Algorithm in a Learning Circuit. Annual Review of Neuroscience, 2020, 43, 465-484.	10.7	124
14	Imaging a Population Code for Odor Identity in the Drosophila Mushroom Body. Journal of Neuroscience, 2013, 33, 10568-10581.	3.6	120
15	Direct neural pathways convey distinct visual information to Drosophila mushroom bodies. ELife, 2016, 5, .	6.0	119
16	The N-end rule pathway controls the import of peptides through degradation of a transcriptional repressor. EMBO Journal, 1998, 17, 269-277.	7.8	117
17	Heterotypic Gap Junctions between Two Neurons in the Drosophila Brain Are Critical for Memory. Current Biology, 2011, 21, 848-854.	3.9	97
18	The Ubiquitin System and the N-End Rule Pathway. Biological Chemistry, 2000, 381, 779-89.	2.5	63

#	Article	IF	Citations
19	Idiosyncratic neural coding and neuromodulation of olfactory individuality in <i>Drosophila</i>. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23292-23297.	7.1	55
20	Openstage: A Low-Cost Motorized Microscope Stage with Sub-Micron Positioning Accuracy. PLoS ONE, 2014, 9, e88977.	2.5	44
21	Amino Acids Induce Peptide Uptake via Accelerated Degradation of CUP9, the Transcriptional Repressor of the PTR2 Peptide Transporter. Journal of Biological Chemistry, 2008, 283, 28958-28968.	3.4	40
22	The mushroom body. Current Biology, 2010, 20, R11-R12.	3.9	32
23	A general approach to engineer positive-going eFRET voltage indicators. Nature Communications, 2020, 11, 3444.	12.8	31
24	Whole-Cell In Vivo Patch-Clamp Recordings in the <i>Drosophila</i> Brain. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot071704.	0.3	24
25	Idiosyncratic learning performance in flies. Biology Letters, 2022, 18, 20210424.	2.3	12
26	Dissection of the Head Cuticle and Sheath of Living Flies for Whole-Cell Patch-Clamp Recordings in the Brain. Cold Spring Harbor Protocols, 2013, 2013, pdb.prot071696-pdb.prot071696.	0.3	9
27	Learning: The Good, the Bad, and the Fly. Neuron, 2015, 86, 343-345.	8.1	4