Pavan Ramdya

List of Publications by Year
in descending order

21 papers	1,536 citations	516710 16 h-index	752698 20 g-index
30 all docs	30 docs citations	30 times ranked	1922 citing authors

#	Article	IF	Citations
1	Connecting the dots in ethology: applying network theory to understand neural and animal collectives. Current Opinion in Neurobiology, 2022, 73, 102532.	4.2	3
2	NeuroMechFly, a neuromechanical model of adult Drosophila melanogaster. Nature Methods, 2022, 19, 620-627.	19.0	32
3	LiftPose3D, a deep learning-based approach for transforming two-dimensional to three-dimensional poses in laboratory animals. Nature Methods, 2021, 18, 975-981.	19.0	42
4	Deformation-Aware Unpaired Image Translation for Pose Estimation on Laboratory Animals. , 2020, , .		25
5	Extensive and diverse patterns of cell death sculpt neural networks in insects. ELife, 2020, 9, .	6.0	15
6	Serotonergic Modulation of Walking in Drosophila. Current Biology, 2019, 29, 4218-4230.e8.	3.9	39
7	DeepFly3D, a deep learning-based approach for 3D limb and appendage tracking in tethered, adult Drosophila. ELife, 2019, 8, .	6.0	118
8	Imaging neural activity in the ventral nerve cord of behaving adult Drosophila. Nature Communications, 2018, 9, 4390.	12.8	62
9	The neurogenetics of group behavior in Drosophila melanogaster. Journal of Experimental Biology, 2017, 220, 35-41.	1.7	50
10	Climbing favours the tripod gait over alternative faster insect gaits. Nature Communications, 2017, 8, 14494.	12.8	86
11	FlyLimbTracker: An active contour based approach for leg segment tracking in unmarked, freely behaving Drosophila. PLoS ONE, 2017, 12, e0173433.	2.5	35
12	Fluctuation-Driven Neural Dynamics Reproduce Drosophila Locomotor Patterns. PLoS Computational Biology, 2015, 11, e1004577.	3.2	6
13	Mechanosensory interactions drive collective behaviour in Drosophila. Nature, 2015, 519, 233-236.	27.8	157
14	Fluorescence Behavioral Imaging (FBI) Tracks Identity in Heterogeneous Groups of Drosophila. PLoS ONE, 2012, 7, e48381.	2.5	14
15	Complementary Function and Integrated Wiring of the Evolutionarily DistinctDrosophilaOlfactory Subsystems. Journal of Neuroscience, 2011, 31, 13357-13375.	3.6	464
16	Evolving olfactory systems on the fly. Trends in Genetics, 2010, 26, 307-316.	6.7	90
17	Emergence of binocular functional properties in a monocular neural circuit. Nature Neuroscience, 2008, 11, 1083-1090.	14.8	52
18	Reverse correlation of rapid calcium signals in the zebrafish optic tectum in vivo. Journal of Neuroscience Methods, 2006, 157, 230-237.	2.5	34

#	Article	IF	Citations
19	Activated Notch1 associates with a presenilin-1/Î³-secretase docking site. Journal of Neurochemistry, 2004, 87, 843-850.	3.9	18
20	Notch1 Competes with the Amyloid Precursor Protein for Î³-Secretase and Down-regulates Presenilin-1 Gene Expression. Journal of Biological Chemistry, 2003, 278, 47370-47375.	3.4	45
21	Amyloid Precursor Protein Associates with a Nicastrin-Dependent Docking Site on the Presenilin 1â€“Î³-Secretase Complex in Cells Demonstrated by Fluorescence Lifetime Imaging. Journal of Neuroscience, 2003, 23, 4560-4566.	3.6	109