

Pavan Ramdya

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/203290/publications.pdf>

Version: 2024-02-01

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	Complementary Function and Integrated Wiring of the Evolutionarily Distinct <i>Drosophila</i> Olfactory Subsystems. <i>Journal of Neuroscience</i> , 2011, 31, 13357-13375.	3.6	464
2	Mechanosensory interactions drive collective behaviour in <i>Drosophila</i> . <i>Nature</i> , 2015, 519, 233-236.	27.8	157
3	DeepFly3D, a deep learning-based approach for 3D limb and appendage tracking in tethered, adult <i>Drosophila</i> . <i>ELife</i> , 2019, 8, .	6.0	118
4	Amyloid Precursor Protein Associates with a Nicastrin-Dependent Docking Site on the Presenilin 1 β -Secretase Complex in Cells Demonstrated by Fluorescence Lifetime Imaging. <i>Journal of Neuroscience</i> , 2003, 23, 4560-4566.	3.6	109
5	Evolving olfactory systems on the fly. <i>Trends in Genetics</i> , 2010, 26, 307-316.	6.7	90
6	Climbing favours the tripod gait over alternative faster insect gaits. <i>Nature Communications</i> , 2017, 8, 14494.	12.8	86
7	Imaging neural activity in the ventral nerve cord of behaving adult <i>Drosophila</i> . <i>Nature Communications</i> , 2018, 9, 4390.	12.8	62
8	Emergence of binocular functional properties in a monocular neural circuit. <i>Nature Neuroscience</i> , 2008, 11, 1083-1090.	14.8	52
9	The neurogenetics of group behavior in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 35-41.	1.7	50
10	Notch1 Competes with the Amyloid Precursor Protein for β -Secretase and Down-regulates Presenilin-1 Gene Expression. <i>Journal of Biological Chemistry</i> , 2003, 278, 47370-47375.	3.4	45
11	LiftPose3D, a deep learning-based approach for transforming two-dimensional to three-dimensional poses in laboratory animals. <i>Nature Methods</i> , 2021, 18, 975-981.	19.0	42
12	Serotonergic Modulation of Walking in <i>Drosophila</i> . <i>Current Biology</i> , 2019, 29, 4218-4230.e8.	3.9	39
13	FlyLimbTracker: An active contour based approach for leg segment tracking in unmarked, freely behaving <i>Drosophila</i> . <i>PLoS ONE</i> , 2017, 12, e0173433.	2.5	35
14	Reverse correlation of rapid calcium signals in the zebrafish optic tectum in vivo. <i>Journal of Neuroscience Methods</i> , 2006, 157, 230-237.	2.5	34
15	NeuroMechFly, a neuromechanical model of adult <i>Drosophila melanogaster</i> . <i>Nature Methods</i> , 2022, 19, 620-627.	19.0	32
16	Deformation-Aware Unpaired Image Translation for Pose Estimation on Laboratory Animals. , 2020, , .		25
17	Activated Notch1 associates with a presenilin-1 β -secretase docking site. <i>Journal of Neurochemistry</i> , 2004, 87, 843-850.	3.9	18
18	Extensive and diverse patterns of cell death sculpt neural networks in insects. <i>ELife</i> , 2020, 9, .	6.0	15

#	ARTICLE	IF	CITATIONS
19	Fluorescence Behavioral Imaging (FBI) Tracks Identity in Heterogeneous Groups of <i>Drosophila</i> . PLoS ONE, 2012, 7, e48381.	2.5	14
20	Fluctuation-Driven Neural Dynamics Reproduce <i>Drosophila</i> Locomotor Patterns. PLoS Computational Biology, 2015, 11, e1004577.	3.2	6
21	Connecting the dots in ethology: applying network theory to understand neural and animal collectives. Current Opinion in Neurobiology, 2022, 73, 102532.	4.2	3