Debajit Saha

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10691975/publications.pdf

Version: 2024-02-01

14	413	1040056 9	1199594 12
papers	citations	h-index	g-index

20	20	20	500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A spatiotemporal coding mechanism for background-invariant odor recognition. Nature Neuroscience, 2013, 16, 1830-1839.	14.8	98
2	Bioinspired Polarization Imaging Sensors: From Circuits and Optics to Signal Processing Algorithms and Biomedical Applications. Proceedings of the IEEE, 2014, 102, 1450-1469.	21.3	94
3	Non-invasive aerosol delivery and transport of gold nanoparticles to the brain. Scientific Reports, 2017, 7, 44718.	3.3	48
4	Engaging and disengaging recurrent inhibition coincides with sensing and unsensing of a sensory stimulus. Nature Communications, 2017, 8, 15413.	12.8	36
5	Multi-unit Recording Methods to Characterize Neural Activity in the Locust (Schistocerca) Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	29
6	Behavioural correlates of combinatorial versus temporal features of odour codes. Nature Communications, 2015, 6, 6953.	12.8	28
7	Dynamic contrast enhancement and flexible odor codes. Nature Communications, 2018, 9, 3062.	12.8	27
8	Response properties of visual neurons in the turtle nucleus isthmi. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2011, 197, 153-165.	1.6	19
9	Explosive sensing with insect-based biorobots. Biosensors and Bioelectronics: X, 2020, 6, 100050.	1.7	18
10	Differential effects of adaptation on odor discrimination. Journal of Neurophysiology, 2018, 120, 171-185.	1.8	9
11	A 220 × 128 120 mW 60 frames/s current mode polarization imager for in vivo optical neural recording. , 2014, , .		2
12	Relating early olfactory processing with behavior: a perspective. Current Opinion in Insect Science, 2015, 12, 54-63.	4.4	2
13	Neural Circuit Dynamics for Sensory Detection. Journal of Neuroscience, 2020, 40, 3408-3423.	3.6	1
14	A Backpack Recording Platform for Neural Measurements in Ambulatory Insects. , 2021, , .		0