Pengcheng Zhou

List of Publications by Year
in descending order

14 papers	2,818 citations	687363 13 h-index	1058476 14 g-index
24 all docs	24 docs citations	24 times ranked	3561 citing authors

#	Article	IF	Citations
1	CalmAn an open source tool for scalable calcium imaging data analysis. ELife, 2019, 8, .	6.0	551
2	Efficient and accurate extraction of in vivo calcium signals from microendoscopic video data. ELife, 2018, 7, .	6.0	489
3	Anxiety Cells in a Hippocampal-Hypothalamic Circuit. Neuron, 2018, 97, 670-683.e6.	8.1	408
4	Fast online deconvolution of calcium imaging data. PLoS Computational Biology, 2017, 13, e1005423.	3.2	407
5	The Spatiotemporal Organization of the Striatum Encodes Action Space. Neuron, 2017, 95, 1171-1180.e7.	8.1	192
6	The central amygdala controls learning in the lateral amygdala. Nature Neuroscience, 2017, 20, 1680-1685.	14.8	159
7	Rapid mesoscale volumetric imaging of neural activity with synaptic resolution. Nature Methods, 2020, 17, 291-294.	19.0	99
8	Reconstruction of neocortex: Organelles, compartments, cells, circuits, and activity. Cell, 2022, 185, 1082-1100.e24.	28.9	84
9	CA1-projecting subiculum neurons facilitate object–place learning. Nature Neuroscience, 2019, 22, 1857-1870.	14.8	66
10	False Discovery Rate Regression: An Application to Neural Synchrony Detection in Primary Visual Cortex. Journal of the American Statistical Association, 2015, 110, 459-471.	3.1	62
11	Single-cell activity and network properties of dorsal raphe nucleus serotonin neurons during emotionally salient behaviors. Neuron, 2022, 110, 2664-2679.e8.	8.1	40
12	Impact of neuronal heterogeneity on correlated colored noise-induced synchronization. Frontiers in Computational Neuroscience, 2013, 7, 113.	2.1	39
13	Establishing a Statistical Link between Network Oscillations and Neural Synchrony. PLoS Computational Biology, 2015, 11, e1004549.	3.2	14
14	Blind demixing methods for recovering dense neuronal morphology from barcode imaging data. PLoS Computational Biology, 2022, 18, e1009991.	3.2	2