

# Pengcheng Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7773269/publications.pdf>

Version: 2024-02-01

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