

# Catalin Mitelut

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7406538/publications.pdf>

Version: 2024-02-01

9  
papers

1,847  
citations

1684188

5  
h-index

1720034

7  
g-index

12  
all docs

12  
docs citations

12  
times ranked

2833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully integrated silicon probes for high-density recording of neural activity. <i>Nature</i> , 2017, 551, 232-236.	27.8	1,531
2	Inferring cortical function in the mouse visual system through large-scale systems neuroscience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7337-7344.	7.1	82
3	BioNet: A Python interface to NEURON for modeling large-scale networks. <i>PLoS ONE</i> , 2018, 13, e0201630.	2.5	58
4	Mesoscale brain explorer, a flexible python-based image analysis and visualization tool. <i>Neurophotonics</i> , 2017, 4, 031210.	3.3	19
5	Nonlinear Decoding of Natural Images From Large-Scale Primate Retinal Ganglion Recordings. <i>Neural Computation</i> , 2021, 33, 1719-1750.	2.2	13
6	A Visual Guide to Sorting Electrophysiological Recordings Using 'SpikeSorter'. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	5
7	Voltage distributions in extracellular brain recordings. <i>Journal of Neurophysiology</i> , 2021, 125, 1408-1424.	1.8	3
8	Second-order relativistic corrections for the S(L=0) states in one- and two-electron atomic systems. <i>Canadian Journal of Physics</i> , 2005, 83, 1-21.	1.1	1
9	LFP clustering in cortex reveals a taxonomy of Up states and near-millisecond, ordered phase-locking in cortical neurons. <i>Journal of Neurophysiology</i> , 2019, 122, 1794-1809.	1.8	0