Catalin Mitelut

List of Publications by Year
in descending order

		1684188	1720034
9 papers	1,847 citations	5 h-index	7 g-index
12 all docs	12 docs citations	12 times ranked	2833 citing authors

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