

# Zoltán Somogyvári

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4495196/publications.pdf>

Version: 2024-02-01

22  
papers

680  
citations

1039880

9  
h-index

794469

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1071  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model-free detection of unique events in time series. <i>Scientific Reports</i> , 2022, 12, 227.	1.6	5
2	Laminar distribution of electrically evoked hippocampal short latency ripple activity highlights the importance of the subiculum in vivo in human epilepsy, an intraoperative study. <i>Epilepsy Research</i> , 2021, 169, 106509.	0.8	3
3	Recording site placement on planar silicon-based probes affects signal quality in acute neuronal recordings. <i>Scientific Reports</i> , 2021, 11, 2028.	1.6	16
4	Do not waste your electrodes—principles of optimal electrode geometry for spike sorting. <i>Journal of Neural Engineering</i> , 2021, 18, 0460a8.	1.8	1
5	Relaxation of Some Confusions about Confounders. <i>Entropy</i> , 2021, 23, 1450.	1.1	0
6	Mental and emotional representations of “weight loss” free-word association networks in members of bariatric surgery-related social media communities. <i>Surgery for Obesity and Related Diseases</i> , 2020, 16, 1312-1320.	1.0	14
7	Application of a flexible polymer microECog array to map functional coherence in schizophrenia model. <i>MethodsX</i> , 2020, 7, 101117.	0.7	3
8	Causal relationship between local field potential and intrinsic optical signal in epileptiform activity in vitro. <i>Scientific Reports</i> , 2019, 9, 5171.	1.6	2
9	Strategic Positioning of Connexin36 Gap Junctions Across Human Retinal Ganglion Cell Dendritic Arbors. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 409.	1.8	7
10	Functional brain mapping using optical imaging of intrinsic signals and simultaneous high-resolution cortical electrophysiology with a flexible, transparent microelectrode array. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 519-526.	4.0	20
11	Revealing the distribution of transmembrane currents along the dendritic tree of a neuron from extracellular recordings. <i>ELife</i> , 2017, 6, .	2.8	14
12	Age-related changes of the representative modular structure in the brain. , 2016, , .		1
13	Calcium buffer proteins are specific markers of human retinal neurons. <i>Cell and Tissue Research</i> , 2016, 365, 29-50.	1.5	26
14	Commentary by Zoltán Somogyári and Péter Á%rdi. <i>Studies in Systems, Decision and Control</i> , 2016, , 135-146.	0.8	0
15	Stratified organization and disorganization of inner plexiform layer revealed by TNAP activity in healthy and diabetic rat retina. <i>Cell and Tissue Research</i> , 2015, 359, 409-421.	1.5	8
16	<i>In vitro</i> intrinsic optical imaging can be used for source determination in cortical slices. <i>European Journal of Neuroscience</i> , 2014, 39, 72-82.	1.2	3
17	Large-scale, high-density (up to 512 channels) recording of local circuits in behaving animals. <i>Journal of Neurophysiology</i> , 2014, 111, 1132-1149.	0.9	276
18	Prediction of emerging technologies based on analysis of the US patent citation network. <i>Scientometrics</i> , 2013, 95, 225-242.	1.6	191

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19	Localization of single-cell current sources based on extracellular potential patterns: the spike CSD method. <i>European Journal of Neuroscience</i> , 2012, 36, 3299-3313.	1.2	26
20	Technical integration of hippocampus, basal ganglia and physical models for spatial navigation. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 6.	1.3	8
21	Laminar analysis of initiation and spread of epileptiform discharges in three in vitro models. <i>Brain Research Bulletin</i> , 2006, 69, 161-167.	1.4	19
22	Model-based source localization of extracellular action potentials. <i>Journal of Neuroscience Methods</i> , 2005, 147, 126-137.	1.3	36