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List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1465244/publications.pdf>

Version: 2024-02-01

8
papers

126
citations

1478505

6
h-index

1720034

7
g-index

13
all docs

13
docs citations

13
times ranked

122
citing authors

#	ARTICLE	IF	CITATIONS
1	The membrane periodic skeleton is an actomyosin network that regulates axonal diameter and conduction. <i>ELife</i> , 2020, 9, .	6.0	53
2	Improved <i>in vitro</i> electrophysiology using 3D-structured microelectrode arrays with a micro-mushrooms islets architecture capable of promoting topotaxis. <i>Journal of Neural Engineering</i> , 2019, 16, 036012.	3.5	15
3	Topologically controlled circuits of human iPSC-derived neurons for electrophysiology recordings. <i>Lab on A Chip</i> , 2022, 22, 1386-1403.	6.0	12
4	Interfacing Microfluidics with Microelectrode Arrays for Studying Neuronal Communication and Axonal Signal Propagation. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	11
5	Bidirectional flow of action potentials in axons drives activity dynamics in neuronal cultures. <i>Journal of Neural Engineering</i> , 2021, 18, 066045.	3.5	11
6	µSpikeHunter: An advanced computational tool for the analysis of neuronal communication and action potential propagation in microfluidic platforms. <i>Scientific Reports</i> , 2019, 9, 5777.	3.3	10
7	Nanoscale Patterning of <i>In Vitro</i> Neuronal Circuits. <i>ACS Nano</i> , 2022, 16, 5731-5742.	14.6	8
8	A novel 3D-microstructured multielectrode array configuration for high-yield and high-fidelity electrophysiological recordings. <i>Frontiers in Cellular Neuroscience</i> , 0, 12, .	3.7	0