

# Josã© C Mateus

## 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  
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1720034

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13  
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13  
docs citations

13  
times ranked

122  
citing authors

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