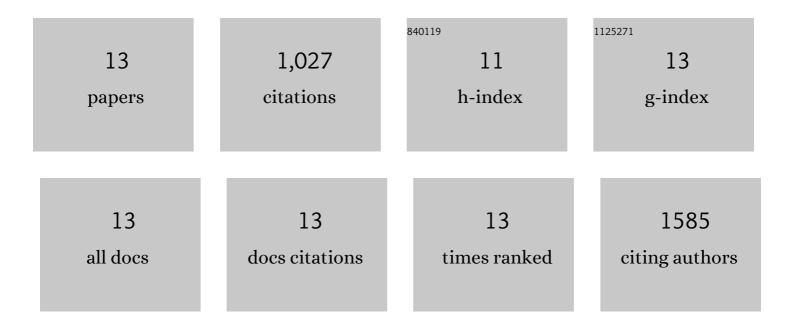
## João L Carvalho-De-Souza

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8727505/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Photosensitivity of Neurons Enabled by Cell-Targeted Gold Nanoparticles. Neuron, 2015, 86, 207-217.	3.8	295
2	Photoelectrochemical modulation of neuronal activity with free-standing coaxial silicon nanowires. Nature Nanotechnology, 2018, 13, 260-266.	15.6	185
3	Heterogeneous silicon mesostructures for lipid-supported bioelectric interfaces. Nature Materials, 2016, 15, 1023-1030.	13.3	132
4	An atlas of nano-enabled neural interfaces. Nature Nanotechnology, 2019, 14, 645-657.	15.6	129
5	Optocapacitive Generation of Action Potentials by Microsecond Laser Pulses of Nanojoule Energy. Biophysical Journal, 2018, 114, 283-288.	0.2	69
6	Nongenetic optical neuromodulation with silicon-based materials. Nature Protocols, 2019, 14, 1339-1376.	5.5	62
7	Loss-of-function BK channel mutation causes impaired mitochondria and progressive cerebellar ataxia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6023-6034.	3.3	58
8	Cholesterol Functionalization of Gold Nanoparticles Enhances Photoactivation of Neural Activity. ACS Chemical Neuroscience, 2019, 10, 1478-1487.	1.7	33
9	Noncanonical mechanism of voltage sensor coupling to pore revealed by tandem dimersÂof Shaker. Nature Communications, 2019, 10, 3584.	5.8	25
10	Molecular basis for functional connectivity between the voltage sensor and the selectivity filter gate in Shaker K+ channels. ELife, 2021, 10, .	2.8	15
11	Nonsensing residues in S3–S4 linker's C terminus affect the voltage sensor set point in K+ channels. Journal of General Physiology, 2018, 150, 307-321.	0.9	14
12	Nav channel binder containing a specific conjugation-site based on a low toxicity Î <sup>2</sup> -scorpion toxin. Scientific Reports, 2017, 7, 16329.	1.6	7
13	Non-Canonical Interactions between Voltage Sensors and Pore Domain in Shaker K + -Channel. Biophysical Journal, 2017, 112, 162a.	0.2	3