

Lan Luan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4946146/publications.pdf>

Version: 2024-02-01

15
papers

1,016
citations

759233

12
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of isoflurane-induced vasodilation and blood flow of cerebral vasculature revealed by multi-exposure speckle imaging. <i>Journal of Neuroscience Methods</i> , 2022, 366, 109434.	2.5	20
2	Chronic co-implantation of ultraflexible neural electrodes and a cranial window. <i>Neurophotonics</i> , 2022, 9, 032204.	3.3	7
3	Optimized design of a hyperflexible sieve electrode to enhance neurovascular regeneration for a peripheral neural interface. <i>Biomaterials</i> , 2021, 275, 120924.	11.4	1
4	Ultraflexible Neural Electrodes for Long-Lasting Intracortical Recording. <i>IScience</i> , 2020, 23, 101387.	4.1	60
5	Recent Advances in Electrical Neural Interface Engineering: Minimal Invasiveness, Longevity, and Scalability. <i>Neuron</i> , 2020, 108, 302-321.	8.1	85
6	Spikes to Pixels: Camera Chips for Large-scale Electrophysiology. <i>Trends in Neurosciences</i> , 2020, 43, 269-271.	8.6	2
7	Multimodal mapping of neural activity and cerebral blood flow reveals long-lasting neurovascular dissociations after small-scale strokes. <i>Science Advances</i> , 2020, 6, eaba1933.	10.3	47
8	Can One Concurrently Record Electrical Spikes from Every Neuron in a Mammalian Brain?. <i>Neuron</i> , 2019, 103, 1005-1015.	8.1	46
9	Nanofabricated Ultraflexible Electrode Arrays for High-Density Intracortical Recording. <i>Advanced Science</i> , 2018, 5, 1700625.	11.2	109
10	Nano functional neural interfaces. <i>Nano Research</i> , 2018, 11, 5065-5106.	10.4	23
11	Nanoelectronics enabled chronic multimodal neural platform in a mouse ischemic model. <i>Journal of Neuroscience Methods</i> , 2018, 295, 68-76.	2.5	19
12	Ultraflexible nanoelectronic probes form reliable, glial scar-free neural integration. <i>Science Advances</i> , 2017, 3, e1601966.	10.3	436
13	Nanoelectronic Coating Enabled Versatile Multifunctional Neural Probes. <i>Nano Letters</i> , 2017, 17, 4588-4595.	9.1	48
14	A novel flexible microfluidic meshwork to reduce fibrosis in glaucoma surgery. <i>PLoS ONE</i> , 2017, 12, e0172556.	2.5	18
15	Uncovering edge states and electrical inhomogeneity in MoS ₂ field-effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 8583-8588.	7.1	94