Yuxin Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7479551/publications.pdf

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18	6,131	567281 15	839539 18
papers	citations	h-index	g-index

21	21	21	9239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A tissue-like neurotransmitter sensor for the brain and gut. Nature, 2022, 606, 94-101.	27.8	162
2	Conjugated Polymer for Implantable Electronics toward Clinical Application. Advanced Healthcare Materials, 2021, 10, e2001916.	7.6	47
3	Monolithic optical microlithography of high-density elastic circuits. Science, 2021, 373, 88-94.	12.6	168
4	A Compact Free-Floating Device for Passive Charge-Balanced Neural Stimulation using PEDOT/CNT microelectrodes. , 2020, 2020, 3375-3378.		1
5	Intrinsically stretchable electrode array enabled in vivo electrophysiological mapping of atrial fibrillation at cellular resolution. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14769-14778.	7.1	108
6	Morphing electronics enable neuromodulation in growing tissue. Nature Biotechnology, 2020, 38, 1031-1036.	17.5	174
7	The Microbead: A 0.009 mm³ Implantable Wireless Neural Stimulator. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 971-985.	4.0	87
8	Strain- and Strain-Rate-Invariant Conductance in a Stretchable and Compressible 3D Conducting Polymer Foam. Matter, 2019, 1, 205-218.	10.0	58
9	Soft and elastic hydrogel-based microelectronics for localized low-voltage neuromodulation. Nature Biomedical Engineering, 2019, 3, 58-68.	22.5	499
10	Tough and Waterâ€Insensitive Selfâ€Healing Elastomer for Robust Electronic Skin. Advanced Materials, 2018, 30, e1706846.	21.0	798
11	Soft conductive micropillar electrode arrays for biologically relevant electrophysiological recording. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11718-11723.	7.1	82
12	A bioinspired flexible organic artificial afferent nerve. Science, 2018, 360, 998-1003.	12.6	982
13	An Elastic Autonomous Selfâ€Healing Capacitive Sensor Based on a Dynamic Dual Crosslinked Chemical System. Advanced Materials, 2018, 30, e1801435.	21.0	280
14	An integrated self-healable electronic skin system fabricated via dynamic reconstruction of a nanostructured conducting network. Nature Nanotechnology, 2018, 13, 1057-1065.	31.5	736
15	Size based sorting and patterning of microbeads by evaporation driven flow in a 3D micro-traps array. Lab on A Chip, 2013, 13, 3663.	6.0	9
16	Biological and chemical sensors based on graphene materials. Chemical Society Reviews, 2012, 41, 2283-2307.	38.1	1,591
17	Graphene-based biosensors for detection of bacteria and their metabolic activities. Journal of Materials Chemistry, 2011, 21, 12358.	6.7	343
18	Biological and chemical sensors based on graphene materials. , 0, .		1