# Yuxin Liu

List of Publications by Year
in descending order

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

Version: 2024-02-01

| 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 | Biological and chemical sensors based on graphene materials. Chemical Society Reviews, 2012, 41, 2283-2307. | 38.1 | 1,591 |
| 2 | A bioinspired flexible organic artificial afferent nerve. Science, 2018, 360, 998-1003. | 12.6 | 982 |
| 3 | Tough and Waterâ€Insensitive Selfâ€Healing Elastomer for Robust Electronic Skin. Advanced Materials, 2018, 30, e1706846. | 21.0 | 798 |
| 4 | 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 |
| 5 | Soft and elastic hydrogel-based microelectronics for localized low-voltage neuromodulation. Nature Biomedical Engineering, 2019, 3, 58-68. | 22.5 | 499 |
| 6 | Graphene-based biosensors for detection of bacteria and their metabolic activities. Journal of Materials Chemistry, 2011, 21, 12358. | 6.7 | 343 |
| 7 | An Elastic Autonomous Selfâ€Healing Capacitive Sensor Based on a Dynamic Dual Crosslinked Chemical System. Advanced Materials, 2018, 30, e1801435. | 21.0 | 280 |
| 8 | Morphing electronics enable neuromodulation in growing tissue. Nature Biotechnology, 2020, 38, 1031-1036. | 17.5 | 174 |
| 9 | Monolithic optical microlithography of high-density elastic circuits. Science, 2021, 373, 88-94. | 12.6 | 168 |
| 10 | A tissue-like neurotransmitter sensor for the brain and gut. Nature, 2022, 606, 94-101. | 27.8 | 162 |
| 11 | 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 |
| 12 | The Microbead: A 0.009 mm<sup>3</sup> Implantable Wireless Neural Stimulator. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 971-985. | 4.0 | 87 |
| 13 | 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 |
| 14 | Strain- and Strain-Rate-Invariant Conductance in a Stretchable and Compressible 3D Conducting Polymer Foam. Matter, 2019, 1, 205-218. | 10.0 | 58 |
| 15 | Conjugated Polymer for Implantable Electronics toward Clinical Application. Advanced Healthcare Materials, 2021, 10, e2001916. | 7.6 | 47 |
| 16 | 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 |
| 17 | A Compact Free-Floating Device for Passive Charge-Balanced Neural Stimulation using PEDOT/CNT microelectrodes. , 2020, 2020, 3375-3378. | | 1 |
| 18 | Biological and chemical sensors based on graphene materials. , 0, . | | 1 |