

YuHao Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3564990/yuhao-liu-publications-by-citations.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

5,933
citations

28
h-index

42
g-index

42
ext. papers

6,838
ext. citations

15.8
avg, IF

5.62
L-index

#	Paper	IF	Citations
37	Lab-on-Skin: A Review of Flexible and Stretchable Electronics for Wearable Health Monitoring. <i>ACS Nano</i> , 2017 , 11, 9614-9635	16.7	873
36	Materials science. Assembly of micro/nanomaterials into complex, three-dimensional architectures by compressive buckling. <i>Science</i> , 2015 , 347, 154-9	33.3	587
35	Conformable amplified lead zirconate titanate sensors with enhanced piezoelectric response for cutaneous pressure monitoring. <i>Nature Communications</i> , 2014 , 5, 4496	17.4	571
34	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. <i>Nature Communications</i> , 2014 , 5, 3329	17.4	384
33	A mechanically driven form of Kirigami as a route to 3D mesostructures in micro/nanomembranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11757-64	11.5	344
32	Wireless Optofluidic Systems for Programmable In Vivo Pharmacology and Optogenetics. <i>Cell</i> , 2015 , 162, 662-74	56.2	326
31	Dissolvable Metals for Transient Electronics. <i>Advanced Functional Materials</i> , 2014 , 24, 645-658	15.6	290
30	Battery-free, stretchable optoelectronic systems for wireless optical characterization of the skin. <i>Science Advances</i> , 2016 , 2, e1600418	14.3	266
29	Materials and Designs for Wireless Epidermal Sensors of Hydration and Strain. <i>Advanced Functional Materials</i> , 2014 , 24, 3846-3854	15.6	230
28	Epidermal mechano-acoustic sensing electronics for cardiovascular diagnostics and human-machine interfaces. <i>Science Advances</i> , 2016 , 2, e1601185	14.3	220
27	Stretchable, wireless sensors and functional substrates for epidermal characterization of sweat. <i>Small</i> , 2014 , 10, 3083-90	11	208
26	Capacitive epidermal electronics for electrically safe, long-term electrophysiological measurements. <i>Advanced Healthcare Materials</i> , 2014 , 3, 642-8	10.1	200
25	An Epidermal Stimulation and Sensing Platform for Sensorimotor Prosthetic Control, Management of Lower Back Exertion, and Electrical Muscle Activation. <i>Advanced Materials</i> , 2016 , 28, 4462-71	24	173
24	Mechanical assembly of complex, 3D mesostructures from releasable multilayers of advanced materials. <i>Science Advances</i> , 2016 , 2, e1601014	14.3	152
23	Large-area MRI-compatible epidermal electronic interfaces for prosthetic control and cognitive monitoring. <i>Nature Biomedical Engineering</i> , 2019 , 3, 194-205	19	144
22	Materials and fractal designs for 3D multifunctional integumentary membranes with capabilities in cardiac electrotherapy. <i>Advanced Materials</i> , 2015 , 27, 1731-7	24	117
21	Biodegradable materials for multilayer transient printed circuit boards. <i>Advanced Materials</i> , 2014 , 26, 7371-7	24	109

20	Epidermal differential impedance sensor for conformal skin hydration monitoring. <i>Biointerphases</i> , 2012 , 7, 52	1.8	103
19	Immunologic and tissue biocompatibility of flexible/stretchable electronics and optoelectronics. <i>Advanced Healthcare Materials</i> , 2014 , 3, 515-25	10.1	80
18	Epidermal impedance sensing sheets for precision hydration assessment and spatial mapping. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 2848-57	5	76
17	Flexible and Stretchable 3D Sensors for Thermal Characterization of Human Skin. <i>Advanced Functional Materials</i> , 2017 , 27, 1701282	15.6	71
16	Mechanically transformative electronics, sensors, and implantable devices. <i>Science Advances</i> , 2019 , 5, eaay0418	14.3	70
15	Soft Elastomers with Ionic Liquid-Filled Cavities as Strain Isolating Substrates for Wearable Electronics. <i>Small</i> , 2017 , 13, 1602954	11	67
14	Epidermal radio frequency electronics for wireless power transfer. <i>Microsystems and Nanoengineering</i> , 2016 , 2, 16052	7.7	55
13	Preparation and implementation of optofluidic neural probes for in vivo wireless pharmacology and optogenetics. <i>Nature Protocols</i> , 2017 , 12, 219-237	18.8	44
12	Ferromagnetic, folded electrode composite as a soft interface to the skin for long-term electrophysiological recording. <i>Advanced Functional Materials</i> , 2016 , 26, 7281-7290	15.6	40
11	Microwave purification of large-area horizontally aligned arrays of single-walled carbon nanotubes. <i>Nature Communications</i> , 2014 , 5, 5332	17.4	37
10	Materials and Wireless Microfluidic Systems for Electronics Capable of Chemical Dissolution on Demand. <i>Advanced Functional Materials</i> , 2015 , 25, 1338-1343	15.6	34
9	3D-Printed Hydrogel Composites for Predictive Temporal (4D) Cellular Organizations and Patterned Biogenic Mineralization. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800788	10.1	17
8	Intraoperative monitoring of neuromuscular function with soft, skin-mounted wireless devices. <i>Npj Digital Medicine</i> , 2018 , 1,	15.7	13
7	Flexible Electronics: An Epidermal Stimulation and Sensing Platform for Sensorimotor Prosthetic Control, Management of Lower Back Exertion, and Electrical Muscle Activation (Adv. Mater. 22/2016). <i>Advanced Materials</i> , 2016 , 28, 4563	24	6
6	Sensors: Flexible and Stretchable 3D Sensors for Thermal Characterization of Human Skin (Adv. Funct. Mater. 26/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	4
5	Transient Electronics: Dissolvable Metals for Transient Electronics (Adv. Funct. Mater. 5/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 644-644	15.6	3
4	Magnetic and structural properties of the iron oxychalcogenides La ₂ O ₂ Fe ₂ O ₂ M ₂ (M=S,Se). <i>Physical Review B</i> , 2019 , 99,	3.3	2
3	Membranes: Materials and Fractal Designs for 3D Multifunctional Integumentary Membranes with Capabilities in Cardiac Electrotherapy (Adv. Mater. 10/2015). <i>Advanced Materials</i> , 2015 , 27, 1730-1730	24	2

- 2 Nematic fluctuations in iron-oxychalcogenide Mott insulators. *Npj Quantum Materials*, **2021**, 6, 5 1
- 1 Electrodes: Ferromagnetic, Folded Electrode Composite as a Soft Interface to the Skin for Long-Term Electrophysiological Recording (Adv. Funct. Mater. 40/2016). *Advanced Functional Materials*, **2016**, 26, 7280-7280 15.6