

# Yiming Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,594  
citations

361413

20  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Skin-integrated wireless haptic interfaces for virtual and augmented reality. <i>Nature</i> , 2019, 575, 473-479.	27.8	610
2	Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2105539.	21.0	89
3	Electronic skin as wireless human-machine interfaces for robotic VR. <i>Science Advances</i> , 2022, 8, eabl6700.	10.3	88
4	Recent progress on flexible nanogenerators toward self-powered systems. <i>Informa-Materials</i> , 2020, 2, 318-340.	17.3	85
5	Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics. <i>Nano Energy</i> , 2021, 81, 105590.	16.0	57
6	Thin, Skin-Integrated, Stretchable Triboelectric Nanogenerators for Tactile Sensing. <i>Advanced Electronic Materials</i> , 2020, 6, 1901174.	5.1	53
7	Epidermal self-powered sweat sensors for glucose and lactate monitoring. <i>Bio-Design and Manufacturing</i> , 2022, 5, 201-209.	7.7	53
8	Skin-Integrated Graphene-Embedded Lead Zirconate Titanate Rubber for Energy Harvesting and Mechanical Sensing. <i>Advanced Materials Technologies</i> , 2019, 4, 1900744.	5.8	52
9	A metal-electrode-free, fully integrated, soft triboelectric sensor array for self-powered tactile sensing. <i>Microsystems and Nanoengineering</i> , 2020, 6, 59.	7.0	45
10	Skin-integrated, stretchable, transparent triboelectric nanogenerators based on ion-conducting hydrogel for energy harvesting and tactile sensing. <i>Nano Energy</i> , 2022, 99, 107442.	16.0	39
11	Implantable Electronic Medicine Enabled by Bioresorbable Microneedles for Wireless Electrotherapy and Drug Delivery. <i>Nano Letters</i> , 2022, 22, 5944-5953.	9.1	36
12	Crystallinity and grain boundary control of TIPS-pentacene in organic thin-film transistors for the ultra-high sensitive detection of NO <sub>2</sub> . <i>Journal of Materials Chemistry C</i> , 2019, 7, 10196-10202.	5.5	34
13	Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer. <i>Research</i> , 2020, 2020, 1085417.	5.7	33
14	Stretchable Sweat-Activated Battery in Skin-Integrated Electronics for Continuous Wireless Sweat Monitoring. <i>Advanced Science</i> , 2022, 9, e2104635.	11.2	29
15	Bioinspired Ultrathin Piecewise Controllable Soft Robots. <i>Advanced Materials Technologies</i> , 2021, 6, 2001095.	5.8	27
16	3D printed microstructures for flexible electronic devices. <i>Nanotechnology</i> , 2019, 30, 414001.	2.6	26
17	Triboelectric Nanogenerator Tattoos Enabled by Epidermal Electronic Technologies. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	25
18	Mechanics designs-performance relationships in epidermal triboelectric nanogenerators. <i>Nano Energy</i> , 2020, 76, 105017.	16.0	24

#	ARTICLE	IF	CITATIONS
19	Miniaturization of mechanical actuators in skin-integrated electronics for haptic interfaces. <i>Microsystems and Nanoengineering</i> , 2021, 7, 85.	7.0	24
20	Garment embedded sweat-activated batteries in wearable electronics for continuous sweat monitoring. <i>Npj Flexible Electronics</i> , 2022, 6, .	10.7	24
21	Bandage based energy generators activated by sweat in wireless skin electronics for continuous physiological monitoring. <i>Nano Energy</i> , 2022, 92, 106755.	16.0	19
22	Recent advances in multi-mode haptic feedback technologies towards wearable interfaces. <i>Materials Today Physics</i> , 2022, 22, 100602.	6.0	19
23	Transient, Implantable, Ultrathin Biofuel Cells Enabled by Laser-Induced Graphene and Gold Nanoparticles Composite. <i>Nano Letters</i> , 2022, 22, 3447-3456.	9.1	19
24	Stretchable transparent conductive elastomers for skin-integrated electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15105-15111.	5.5	18
25	Recent progress of skin-integrated electronics for intelligent sensing. <i>Light Advanced Manufacturing</i> , 2021, 2, 39.	5.1	18
26	Skin-Like Strain Sensors Enabled by Elastomer Composites for Human-Machine Interfaces. <i>Coatings</i> , 2020, 10, 711.	2.6	15
27	Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces. <i>EcoMat</i> , 2021, 3, e12123.	11.9	15
28	Thin, soft, 3D printing enabled crosstalk minimized triboelectric nanogenerator arrays for tactile sensing. <i>Fundamental Research</i> , 2023, 3, 111-117.	3.3	6
29	Bio-inspired ultra-thin microfluidics for soft sweat-activated batteries and skin electronics. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19662-19670.	10.3	5
30	Soft, stretchable, wireless intelligent three-lead electrocardiograph monitors with feedback functions for warning of potential heart attack. <i>SmartMat</i> , 2022, 3, 668-684.	10.7	5
31	High Channel Temperature Mapping Electronics in a Thin, Soft, Wireless Format for Non-Invasive Body Thermal Analysis. <i>Biosensors</i> , 2021, 11, 435.	4.7	2