

# Ruiyuan Liu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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

14  
papers

2,125  
citations

14  
h-index

14  
g-index

14  
ext. papers

2,525  
ext. citations

26.9  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
14	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000523	21.8	22
13	Vitrimer Elastomer-Based Jigsaw Puzzle-Like Healable Triboelectric Nanogenerator for Self-Powered Wearable Electronics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705918	24	173
12	Complementary Electromagnetic-Triboelectric Active Sensor for Detecting Multiple Mechanical Triggering. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705808	15.6	68
11	Self-Powered Si/CdS Flexible Photodetector with Broadband Response from 325 to 1550 nm Based on Pyro-phototronic Effect: An Approach for Photosensing below Bandgap Energy. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705893	24	95
10	Shape Memory Polymers for Body Motion Energy Harvesting and Self-Powered Mechanosensing. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705195	24	194
9	Actively Perceiving and Responsive Soft Robots Enabled by Self-Powered, Highly Extensible, and Highly Sensitive Triboelectric Proximity- and Pressure-Sensing Skins. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801114	24.14	180
8	Auxetic Foam-Based Contact-Mode Triboelectric Nanogenerator with Highly Sensitive Self-Powered Strain Sensing Capabilities to Monitor Human Body Movement. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606695	15.6	110
7	A Self-Powered Dynamic Displacement Monitoring System Based on Triboelectric Accelerometer. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700565	21.8	75
6	Silicon Nanowire/Polymer Hybrid Solar Cell-Supercapacitor: A Self-Charging Power Unit with a Total Efficiency of 10.5. <i>Nano Letters</i> , <b>2017</b> , 17, 4240-4247	11.5	106
5	Light-Triggered Pyroelectric Nanogenerator Based on a pn-Junction for Self-Powered Near-Infrared Photosensing. <i>ACS Nano</i> , <b>2017</b> , 11, 8339-8345	16.7	104
4	Piezo-Phototronic Effect on Selective Electron or Hole Transport through Depletion Region of Vis-NIR Broadband Photodiode. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701412	24	62
3	Micro-cable structured textile for simultaneously harvesting solar and mechanical energy. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	704
2	Electric Eel-Skin-Inspired Mechanically Durable and Super-Stretchable Nanogenerator for Deformable Power Source and Fully Autonomous Conformable Electronic-Skin Applications. <i>Advanced Materials</i> , <b>2016</b> , 28, 10024-10032	24	212
1	Flexible self-charging power sources. <i>Nature Reviews Materials</i> ,	73.3	20