

Ruiyuan Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3198894/publications.pdf>

Version: 2024-02-01

14
papers

3,026
citations

623734

14
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

4195
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible self-charging power sources. <i>Nature Reviews Materials</i> , 2022, 7, 870-886.	48.7	159
2	An Efficient Ultra-Flexible Photo-Charging System Integrating Organic Photovoltaics and Supercapacitors. <i>Advanced Energy Materials</i> , 2020, 10, 2000523.	19.5	46
3	Vitrimer Elastomer-Based Jigsaw Puzzle-Like Healable Triboelectric Nanogenerator for Self-Powered Wearable Electronics. <i>Advanced Materials</i> , 2018, 30, e1705918.	21.0	265
4	Complementary Electromagnetic-Triboelectric Active Sensor for Detecting Multiple Mechanical Triggering. <i>Advanced Functional Materials</i> , 2018, 28, 1705808.	14.9	87
5	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> , 2018, 30, 1705893.	21.0	163
6	Shape Memory Polymers for Body Motion Energy Harvesting and Self-Powered Mechanosensing. <i>Advanced Materials</i> , 2018, 30, 1705195.	21.0	249
7	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> , 2018, 30, e1801114.	21.0	254
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> , 2017, 27, 1606695.	14.9	156
9	A Self-Powered Dynamic Displacement Monitoring System Based on Triboelectric Accelerometer. <i>Advanced Energy Materials</i> , 2017, 7, 1700565.	19.5	117
10	Silicon Nanowire/Polymer Hybrid Solar Cell-Supercapacitor: A Self-Charging Power Unit with a Total Efficiency of 10.5%. <i>Nano Letters</i> , 2017, 17, 4240-4247.	9.1	149
11	Light-Triggered Pyroelectric Nanogenerator Based on a pn-Junction for Self-Powered Near-Infrared Photosensing. <i>ACS Nano</i> , 2017, 11, 8339-8345.	14.6	147
12	Piezo-Phototronic Effect on Selective Electron or Hole Transport through Depletion Region of Vis-NIR Broadband Photodiode. <i>Advanced Materials</i> , 2017, 29, 1701412.	21.0	82
13	Electric Eel-Inspired Mechanically Durable and Super-Stretchable Nanogenerator for Deformable Power Source and Fully Autonomous Conformable Electronic-Skin Applications. <i>Advanced Materials</i> , 2016, 28, 10024-10032.	21.0	273
14	Micro-cable structured textile for simultaneously harvesting solar and mechanical energy. <i>Nature Energy</i> , 2016, 1, .	39.5	879