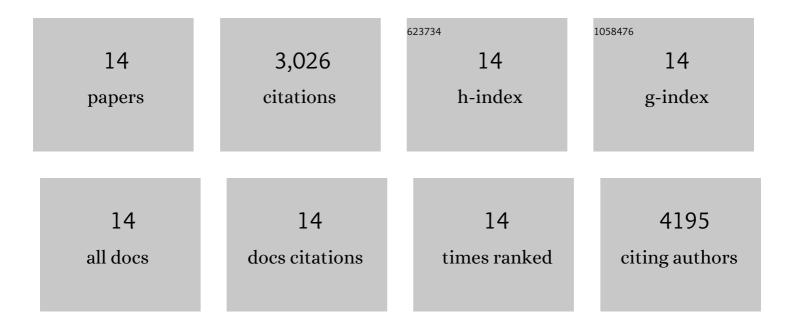
Ruiyuan Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3198894/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Micro-cable structured textile for simultaneously harvesting solar and mechanical energy. Nature Energy, 2016, 1, .	39.5	879
2	Electric Eelâ€5kinâ€Inspired Mechanically Durable and Superâ€5tretchable Nanogenerator for Deformable Power Source and Fully Autonomous Conformable Electronicâ€5kin Applications. Advanced Materials, 2016, 28, 10024-10032.	21.0	273
3	Vitrimer Elastomerâ€Based Jigsaw Puzzleâ€Like Healable Triboelectric Nanogenerator for Selfâ€Powered Wearable Electronics. Advanced Materials, 2018, 30, e1705918.	21.0	265
4	Actively Perceiving and Responsive Soft Robots Enabled by Selfâ€Powered, Highly Extensible, and Highly Sensitive Triboelectric Proximity―and Pressureâ€Sensing Skins. Advanced Materials, 2018, 30, e1801114.	21.0	254
5	Shape Memory Polymers for Body Motion Energy Harvesting and Selfâ€Powered Mechanosensing. Advanced Materials, 2018, 30, 1705195.	21.0	249
6	Selfâ€Powered Si/CdS Flexible Photodetector with Broadband Response from 325 to 1550 nm Based on Pyroâ€phototronic Effect: An Approach for Photosensing below Bandgap Energy. Advanced Materials, 2018, 30, 1705893.	21.0	163
7	Flexible self-charging power sources. Nature Reviews Materials, 2022, 7, 870-886.	48.7	159
8	Auxetic Foamâ€Based Contactâ€Mode Triboelectric Nanogenerator with Highly Sensitive Selfâ€Powered Strain Sensing Capabilities to Monitor Human Body Movement. Advanced Functional Materials, 2017, 27, 1606695.	14.9	156
9	Silicon Nanowire/Polymer Hybrid Solar Cell-Supercapacitor: A Self-Charging Power Unit with a Total Efficiency of 10.5%. Nano Letters, 2017, 17, 4240-4247.	9.1	149
10	Light-Triggered Pyroelectric Nanogenerator Based on a pn-Junction for Self-Powered Near-Infrared Photosensing. ACS Nano, 2017, 11, 8339-8345.	14.6	147
11	A Selfâ€Powered Dynamic Displacement Monitoring System Based on Triboelectric Accelerometer. Advanced Energy Materials, 2017, 7, 1700565.	19.5	117
12	Complementary Electromagneticâ€Triboelectric Active Sensor for Detecting Multiple Mechanical Triggering. Advanced Functional Materials, 2018, 28, 1705808.	14.9	87
13	Piezoâ€Phototronic Effect on Selective Electron or Hole Transport through Depletion Region of Vis–NIR Broadband Photodiode. Advanced Materials, 2017, 29, 1701412.	21.0	82
14	An Efficient Ultraâ€Flexible Photoâ€Charging System Integrating Organic Photovoltaics and Supercapacitors. Advanced Energy Materials, 2020, 10, 2000523.	19.5	46