

Ying Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7942352/publications.pdf>

Version: 2024-02-01

31
papers

8,925
citations

186265

28
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

7799
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical study of contact-mode triboelectric nanogenerators as an effective power source. Energy and Environmental Science, 2013, 6, 3576.	30.8	1,380
2	Piezoelectric BaTiO ₃ Thin Film Nanogenerator on Plastic Substrates. Nano Letters, 2010, 10, 4939-4943.	9.1	711
3	High-resolution electroluminescent imaging of pressure distribution using a piezoelectric nanowire LED array. Nature Photonics, 2013, 7, 752-758.	31.4	641
4	Flexible Nanocomposite Generator Made of BaTiO ₃ Nanoparticles and Graphitic Carbons. Advanced Materials, 2012, 24, 2999-3004.	21.0	601
5	Theory of Sliding-Mode Triboelectric Nanogenerators. Advanced Materials, 2013, 25, 6184-6193.	21.0	581
6	Theoretical Investigation and Structural Optimization of Single-Electrode Triboelectric Nanogenerators. Advanced Functional Materials, 2014, 24, 3332-3340.	14.9	513
7	Fundamental Theory of Piezotronics. Advanced Materials, 2011, 23, 3004-3013.	21.0	459
8	Linear-Grating Triboelectric Generator Based on Sliding Electrification. Nano Letters, 2013, 13, 2282-2289.	9.1	442
9	Triboelectrification-Based Organic Film Nanogenerator for Acoustic Energy Harvesting and Self-Powered Active Acoustic Sensing. ACS Nano, 2014, 8, 2649-2657.	14.6	390
10	Hybrid Nanogenerator for Concurrently Harvesting Biomechanical and Biochemical Energy. ACS Nano, 2010, 4, 3647-3652.	14.6	383
11	BaTiO ₃ Nanotubes-Based Flexible and Transparent Nanogenerators. Journal of Physical Chemistry Letters, 2012, 3, 3599-3604.	4.6	323
12	A Single-Electrode Based Triboelectric Nanogenerator as Self-Powered Tracking System. Advanced Materials, 2013, 25, 6594-6601.	21.0	299
13	Cylindrical Rotating Triboelectric Nanogenerator. ACS Nano, 2013, 7, 6361-6366.	14.6	249
14	In Situ Quantitative Study of Nanoscale Triboelectrification and Patterning. Nano Letters, 2013, 13, 2771-2776.	9.1	210
15	Largely Enhanced Efficiency in ZnO Nanowire/p-Polymer Hybridized Inorganic/Organic Ultraviolet Light-Emitting Diode by Piezo-Phototronic Effect. Nano Letters, 2013, 13, 607-613.	9.1	209
16	Ordered Nanowire Array Blue/Near-UV Light Emitting Diodes. Advanced Materials, 2010, 22, 4749-4753.	21.0	206
17	Piezo-phototronic Effect Enhanced Visible/UV Photodetector of a Carbon-Fiber/ZnO-CdS Double-Shell Microwire. ACS Nano, 2013, 7, 4537-4544.	14.6	197
18	Manipulating Nanoscale Contact Electrification by an Applied Electric Field. Nano Letters, 2014, 14, 1567-1572.	9.1	175

#	ARTICLE	IF	CITATIONS
19	Enhanced Cu ₂ S/CdS Coaxial Nanowire Solar Cells by Piezo-Phototronic Effect. Nano Letters, 2012, 12, 3302-3307.	9.1	174
20	Fundamental theories of piezotronics and piezo-phototronics. Nano Energy, 2015, 14, 257-275.	16.0	157
21	Nanowire Piezo-phototronic Photodetector: Theory and Experimental Design. Advanced Materials, 2012, 24, 1410-1417.	21.0	125
22	Wavelength Tunable CdSe Nanowire Lasers Based on the Absorption-Emission-Absorption Process. Advanced Materials, 2013, 25, 833-837.	21.0	109
23	Hybrid cells for simultaneously harvesting multi-type energies for self-powered micro/nanosystems. Nano Energy, 2012, 1, 259-272.	16.0	97
24	Temperature Dependence of the Piezotronic Effect in ZnO Nanowires. Nano Letters, 2013, 13, 5026-5032.	9.1	76
25	Reversible luminescence switching of NaYF ₄ :Yb,Er nanoparticles with controlled assembly of gold nanoparticles. Chemical Communications, 2009, , 2547.	4.1	63
26	Electrical Tuning of Surface Plasmon Polariton Propagation in Graphene-Nanowire Hybrid Structure. ACS Nano, 2014, 8, 2584-2589.	14.6	49
27	Self-Powered Ultrasensitive Nanowire Photodetector Driven by a Hybridized Microbial Fuel Cell. Angewandte Chemie - International Edition, 2012, 51, 6443-6446.	13.8	47
28	Features of the piezo-phototronic effect on optoelectronic devices based on wurtzite semiconductor nanowires. Physical Chemistry Chemical Physics, 2014, 16, 2790.	2.8	28
29	Crumpling under an Ambient Pressure. Physical Review Letters, 2008, 101, 125504.	7.8	27
30	Piezo-phototronic effect and its applications in flexible optoelectronic and energy technologies. , 2011, , .		2
31	Piezoelectric Effect at Nanoscale. , 2012, , 2085-2099.		2