

Yu Qiu

List of Publications by Year in descending order

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33
papers

599
citations

687363

13
h-index

610901

24
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33
all docs

33
docs citations

33
times ranked

955
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible piezoelectric nanogenerators based on ZnO nanorods grown on common paper substrates. <i>Nanoscale</i> , 2012, 4, 6568.	5.6	119
2	Piezoelectric performance enhancement of ZnO flexible nanogenerator by a NiO/n-ZnO junction formation. <i>Nano Energy</i> , 2015, 14, 95-101.	16.0	75
3	Patterned growth of ZnO nanowires on flexible substrates for enhanced performance of flexible piezoelectric nanogenerators. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	56
4	Two-dimensional ZnO nanosheets grown on flexible ITO-PET substrate for self-powered energy-harvesting nanodevices. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	39
5	Flexible piezoelectric nanogenerator based on Cu ₂ O/n-ZnO junction for energy harvesting. <i>RSC Advances</i> , 2015, 5, 59458-59462.	3.6	25
6	Controlled growth of ZnO nanorods on common paper substrate and their application for flexible piezoelectric nanogenerators. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2649-2656.	2.2	21
7	Fabrication of p-NiO/n-ZnO heterojunction devices for ultraviolet photodetectors via thermal oxidation and hydrothermal growth processes. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2342-2348.	2.2	19
8	High density Si/ZnO core/shell nanowire arrays for photoelectrochemical water splitting. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3474-3480.	2.2	18
9	Enhanced performance of wearable piezoelectric nanogenerator fabricated by two-step hydrothermal process. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	18
10	Enhancing performance of Ag/n-ZnO/Ag UV photodetector by piezo-phototronic effect. <i>RSC Advances</i> , 2018, 8, 15290-15296.	3.6	17
11	Low-frequency flexible piezoelectric nanogenerators based on ZnO nanorods grown on Cu wires. <i>CrystEngComm</i> , 2014, 16, 6831.	2.6	16
12	Fabrication of flexible nanogenerator with enhanced performance based on p-CuO/n-ZnO heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1983-1987.	2.2	14
13	Improvement in piezoelectric performance of a ZnO nanogenerator by modulating interface engineering of CuO-ZnO heterojunction. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	14
14	Piezoelectric property comparison of two-dimensional ZnO nanostructures for energy harvesting devices. <i>RSC Advances</i> , 2021, 11, 3363-3370.	3.6	14
15	Piezoelectric effect of 3-D ZnO nanotetrapods. <i>RSC Advances</i> , 2015, 5, 11469-11474.	3.6	13
16	Enhancing performance of ZnO/NiO UV photodetector by piezo-phototronic effect. <i>RSC Advances</i> , 2016, 6, 48319-48323.	3.6	13
17	Wearable triboelectric nanogenerators based on hybridized triboelectric modes for harvesting mechanical energy. <i>RSC Advances</i> , 2018, 8, 26243-26250.	3.6	12
18	Platinum nanoparticle decorated silicon nanowire arrays for photoelectrochemical hydrogen production. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4433-4438.	2.2	11

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19	Piezoelectric nanogenerator with 3D-ZnO micro-thornyballs prepared by chemical vapour deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 742-746.	2.2	11
20	Growth of 3D branched ZnO nanowire for DC-type piezoelectric nanogenerators. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6708-6712.	2.2	11
21	Piezoelectric effect of one-dimensional gear-shaped ZnO microwires. <i>Applied Surface Science</i> , 2014, 311, 621-625.	6.1	10
22	A novel ethanol gas sensor based on ZnO-microwire. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4812-4816.	2.2	8
23	Improvement in the Piezoelectric Performance of a ZnO Nanogenerator by a ZnO/Spiro-MeOTAD p-n Heterojunction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800717.	1.8	8
24	ZnO nanorods array/BaTiO ₃ coating layer composite structure nanogenerator. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3773-3777.	2.2	7
25	ZnO ultraviolet photodetector based on flexible polyester fibre substrates by low-temperature hydrothermal approach. <i>Micro and Nano Letters</i> , 2019, 14, 215-218.	1.3	7
26	Improved piezoelectric performance of two-dimensional ZnO nanodisks-based flexible nanogenerators via ZnO/Spiro-MeOTAD PN junction. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5584-5590.	2.2	7
27	Improvement of the quality of GaN epilayer by combining a SiN _x interlayer and changed GaN growth mode. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2716-2720.	2.2	5
28	Electrochemical synthesis of p-Cu ₂ O/n-ZnO heterojunction for enhanced piezoelectric nanogenerators. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 9466-9470.	2.2	4
29	Enhanced performance of ZnO piezoelectric nanogenerators by using Au-coated nanowire arrays as top electrode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2001-2004.	1.8	3
30	Simulation study on piezoelectric characteristics of two-dimensional ZnO nanodiscs. <i>Micro and Nano Letters</i> , 2019, 14, 1029-1032.	1.3	2
31	Improving the quality of GaN epilayer by preparing a novel patterned sapphire substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 267-272.	2.2	1
32	Selective growth of GaN on slope cone-shaped patterned sapphire substrate. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 556-559.	2.6	1
33	Photoluminescence and Raman analysis of ZnO microwires synthesized by chemical vapour deposition. , 2011, , .		0