

Shiyou Xu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,640
citations

759233

12
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	1.6 V Nanogenerator for Mechanical Energy Harvesting Using PZT Nanofibers. Nano Letters, 2010, 10, 2133-2137.	9.1	808
2	Flexible Piezoelectric PMN-PT Nanowire-Based Nanocomposite and Device. Nano Letters, 2013, 13, 2393-2398.	9.1	290
3	Fabrication and mechanical property of nano piezoelectric fibres. Nanotechnology, 2006, 17, 4497-4501.	2.6	98
4	Fabrication and photocatalytic activity of TiO ₂ nanofiber membrane. Materials Letters, 2009, 63, 1761-1763.	2.6	95
5	Potential measurement from a single lead zirconate titanate nanofiber using a nanomanipulator. Applied Physics Letters, 2009, 94, .	3.3	80
6	PMN-PT Nanowires with a Very High Piezoelectric Constant. Nano Letters, 2012, 12, 2238-2242.	9.1	76
7	Low temperature high sensor response nano gas sensor using ITO nanofibers. Sensors and Actuators B: Chemical, 2009, 143, 71-75.	7.8	40
8	Fabrication and piezoelectric property of PMN-PT nanofibers. Nano Energy, 2012, 1, 602-607.	16.0	36
9	Biotemplated Synthesis of PZT Nanowires. Nano Letters, 2013, 13, 6197-6202.	9.1	35
10	Energy scavenging based on a single-crystal PMN-PT nanobelt. Scientific Reports, 2016, 6, 22513.	3.3	24
11	Electromechanical coupling of lead zirconate titanate nanofibers. Micro and Nano Letters, 2011, 6, 59.	1.3	21
12	Power generation from piezoelectric lead zirconate titanate nanotubes. Journal Physics D: Applied Physics, 2009, 42, 085301.	2.8	17
13	Wireless biomechanical power harvesting via flexible magnetostrictive ribbons. Energy and Environmental Science, 2014, 7, 2243.	30.8	7
14	Monolithic fabrication of nanochannels using core-shell nanofibers as sacrificial mold. Microfluidics and Nanofluidics, 2011, 11, 359-365.	2.2	6
15	In Situ Mechanical and Electrical Characterization of Individual TiO ₂ Nanofibers Using a Nanomanipulator System. Scanning, 2012, 34, 341-346.	1.5	5
16	Energy Harvesting From PZT Nanofibers. Materials Research Society Symposia Proceedings, 2007, 1034, 194.	0.1	1
17	Fabrication of ITO Nanofibers as Gas Sensor. , 2007, , 551.		0
18	Electro-Mechanical Coupling of Piezoelectric Nanocomposites. , 2010, , .		0