Zisheng Xu

List of Publications by Year
in descending order

17 papers	1,234 citations	623734 14 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	1775 citing authors

#	Article	IF	Citations
1	Solar-driven simultaneous steam production and electricity generation from salinity. Energy and Environmental Science, 2017, 10, 1923-1927.	30.8	380
2	Fiberâ€Based Energy Conversion Devices for Humanâ€Body Energy Harvesting. Advanced Materials, 2020, 32, e1902034.	21.0	204
3	Noncontact Heartbeat and Respiration Monitoring Based on a Hollow Microstructured Self-Powered Pressure Sensor. ACS Applied Materials & Interfaces, 2018, 10, 3660-3667.	8.0	119
4	Hierarchical elastomer tuned self-powered pressure sensor for wearable multifunctional cardiovascular electronics. Nano Energy, 2020, 70, 104460.	16.0	113
5	Piezoelectrets for wearable energy harvesters and sensors. Nano Energy, 2019, 65, 104033.	16.0	107
6	Dielectric properties and energy-storage performance of (Na0.5Bi0.5)TiO3â€“SrTiO3 thick films derived from polyvinylpyrrolidone-modified chemical solution. Journal of Alloys and Compounds, 2015, 639, 387-392.	5.5	65
7	Trap-Induced Dense Monocharged Perfluorinated Electret Nanofibers for Recyclable Multifunctional Healthcare Mask. ACS Nano, 2021, 15, 5486-5494.	14.6	41
8	Hybridâ€Piezoelectret Based Highly Efficient Ultrasonic Energy Harvester for Implantable Electronics. Advanced Functional Materials, 2022, 32, .	14.9	34
9	Theoretical study and structural optimization of a flexible piezoelectret-based pressure sensor. Journal of Materials Chemistry A, 2018, 6, 5065-5070.	10.3	33
10	Electrostatic Assembly of Laminated Transparent Piezoelectrets for Epidermal and Implantable Electronics. Nano Energy, 2021, 89, 106450.	16.0	28
11	Flexible THV/COC Piezoelectret Nanogenerator for Wide-Range Pressure Sensing. ACS Applied Materials & Interfaces, 2018, 10, 29675-29683.	8.0	21
12	Boosting the Efficient Energy Output of Electret Nanogenerators by Suppressing Air Breakdown under Ambient Conditions. ACS Applied Materials & Interfaces, 2019, 11, 3984-3989.	8.0	20
13	Dielectric Elastomer Generator for Electromechanical Energy Conversion: A Mini Review. Sustainability, 2021, 13, 9881.	3.2	20
14	Electrospun Polytetrafluoroethylene Nanofibrous Membrane for High-Performance Self-Powered Sensors. Nanoscale Research Letters, 2019, 14, 251.	5.7	17
15	Structure and dielectric properties of (Na0.5Bi0.5)TiO3â€“SrTiO3 thick films derived from polyvinylpyrrolidone-modified chemical solution. Journal of Materials Science: Materials in Electronics, 2015, 26, 4318-4324.	2.2	15
16	Highâ€Performance Dielectric Elastomer Nanogenerator for Efficient Energy Harvesting and Sensing via Alternative Current Method. Advanced Science, 2022, 9, e2201098.	11.2	11
17	Output optimized electret nanogenerators for self-powered long-distance optical communication systems. Nanoscale, 2017, 9, 18529-18534.	5.6	6