

Yuan Zhou

List of Publications by Year in descending order

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papers

1,413
citations

516710

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33
all docs

33
docs citations

33
times ranked

1912
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Piezoelectric Energy Harvesting: Materials, Methods, and Circuits. Energy Harvesting and Systems, 2019, 4, 3-39.	2.7	288
2	Ubiquitous magneto-mechano-electric generator. Energy and Environmental Science, 2015, 8, 2402-2408.	30.8	177
3	Synthesis mechanism of grain-oriented lead-free piezoelectric Na _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃ ceramics with giant piezoelectric response. Journal of Materials Chemistry C, 2013, 1, 2102.	5.5	134
4	Ferroelectric solar cells based on inorganic-organic hybrid perovskites. Journal of Materials Chemistry A, 2015, 3, 7699-7705.	10.3	103
5	Tunable self-biased magnetoelectric response in homogenous laminates. Applied Physics Letters, 2012, 101, .	3.3	101
6	Giant strain with ultra-low hysteresis and high temperature stability in grain oriented lead-free K _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃ -Na _{0.5} Bi _{0.5} TiO ₃ piezoelectric materials. Scientific Reports, 2015, 5, 8595.	3.3	92
7	Dual-phase self-biased magnetoelectric energy harvester. Applied Physics Letters, 2013, 103, .	3.3	80
8	Giant self-biased magnetoelectric coupling in co-fired textured layered composites. Applied Physics Letters, 2013, 102, .	3.3	72
9	Self-Biased Magnetoelectric Composites: An Overview and Future Perspectives. Energy Harvesting and Systems, 2016, 3, 1-42.	2.7	69
10	Anisotropic self-biased dual-phase low frequency magneto-mechano-electric energy harvesters with giant power densities. APL Materials, 2014, 2, .	5.1	59
11	Integration of lead-free ferroelectric on HfO ₂ /Si (100) for high performance non-volatile memory applications. Scientific Reports, 2015, 5, 8494.	3.3	43
12	Enhanced temperature stability in $\tilde{111}$ textured tetragonal Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ piezoelectric ceramics. Journal of Applied Physics, 2015, 118, .	2.5	24
13	Fatigue mechanism of textured Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ceramics. Applied Physics Letters, 2013, 103, .	3.3	23
14	Enhanced electromechanical coupling in Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ radially textured cylinders. Applied Physics Letters, 2014, 104, 012910.	3.3	21
15	Near-flat self-biased magnetoelectric response in geometry gradient composite. Journal of Applied Physics, 2014, 115, .	2.5	18
16	Magnetostriction measurement in thin films using laser Doppler vibrometry. Journal of Magnetism and Magnetic Materials, 2014, 363, 179-187.	2.3	16
17	Co-fired magnetoelectric transformer. Applied Physics Letters, 2014, 104, .	3.3	14
18	Giant Magnetoelectric Effect in PZT Thin Film Deposited on Nickel. Energy Harvesting and Systems, 2016, 3, 181-188.	2.7	14

#	ARTICLE	IF	CITATIONS
19	Modulated Magneto-Thermal Response of $\text{La}_{0.85}\text{Sr}_{0.15}\text{MnO}_3$ and $(\text{Ni}_{0.6}\text{Cu}_{0.2}\text{Zn}_{0.2})\text{Fe}_2\text{O}_4$ Composites for Thermal Energy Harvesters. <i>Energy Harvesting and Systems</i> , 2019, 4, 57-65.	2.7	14
20	Enhanced magnetoelectric effect in longitudinal-longitudinal mode laminate with cofired interdigitated electrodes. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	12
21	Functionally Graded Interfaces: Role and Origin of Internal Electric Field and Modulated Electrical Response. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22458-22468.	8.0	12
22	Microstructure and surface morphology evolution of pulsed laser deposited piezoelectric BaTiO_3 films. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6308.	5.5	8
23	Ultrafast Anisotropic Optical Response and Coherent Acoustic Phonon Generation in Polycrystalline BaTiO_3 - BiFeO_3 . <i>Energy Harvesting and Systems</i> , 2016, 3, 229-236.	2.7	5
24	Enhanced Vibration Energy Harvesting Through Multilayer Textured $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – PbZrO_3 – PbTiO_3 Piezoelectric Ceramics. <i>Energy Harvesting and Systems</i> , 2014, 1, .	2.7	4
25	Complex permittivity scaling of functionally graded composites. <i>Materials Research Express</i> , 2014, 1, 016305.	1.6	3
26	Applications of Multiferroic Magnetolectric Composites. <i>Series in Materials Science and Engineering</i> , 2016, , 215-254.	0.1	3
27	Self-biased Dual-phase Energy Harvesting System. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1556, 1.	0.1	2
28	Organic, Flexible, Polymer Composites for High-Temperature Piezoelectric Applications. <i>Energy Harvesting and Systems</i> , 2014, 1, .	2.7	2
29	Opto-electrical Behavior of $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ – $\text{Pb}_{0.97}\text{La}_{0.03}(\text{Zr},\text{Ti})\text{O}_3$ Transparent Ceramics with Varying Defect Structure. <i>Energy Harvesting and Systems</i> , 2014, 1, .	2.7	0