

Yuan Zhou

List of Publications by Year in descending order

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29
papers

1,413
citations

516710

16
h-index

501196

28
g-index

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	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. Energy Harvesting and Systems, 2019, 4, 57-65.	2.7	14
3	Ultrafast Anisotropic Optical Response and Coherent Acoustic Phonon Generation in Polycrystalline BaTiO_3 - BiFeO_3 . Energy Harvesting and Systems, 2016, 3, 229-236.	2.7	5
4	Applications of Multiferroic Magnetolectric Composites. Series in Materials Science and Engineering, 2016, , 215-254.	0.1	3
5	Giant Magnetolectric Effect in PZT Thin Film Deposited on Nickel. Energy Harvesting and Systems, 2016, 3, 181-188.	2.7	14
6	Self-Biased Magnetolectric Composites: An Overview and Future Perspectives. Energy Harvesting and Systems, 2016, 3, 1-42.	2.7	69
7	Enhanced temperature stability in $\sim 111^\circ$ textured tetragonal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 piezoelectric ceramics. Journal of Applied Physics, 2015, 118, .	2.5	24
8	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
9	Giant strain with ultra-low hysteresis and high temperature stability in grain oriented lead-free $\text{K}_0.5\text{Bi}_0.5\text{TiO}_3$ - BaTiO_3 - $\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3$ piezoelectric materials. Scientific Reports, 2015, 5, 8595.	3.3	92
10	Ferroelectric solar cells based on inorganic-organic hybrid perovskites. Journal of Materials Chemistry A, 2015, 3, 7699-7705.	10.3	103
11	Ubiquitous magneto-mechano-electric generator. Energy and Environmental Science, 2015, 8, 2402-2408.	30.8	177
12	Functionally Graded Interfaces: Role and Origin of Internal Electric Field and Modulated Electrical Response. ACS Applied Materials & Interfaces, 2015, 7, 22458-22468.	8.0	12
13	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. Energy Harvesting and Systems, 2014, 1, .	2.7	4
14	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. Energy Harvesting and Systems, 2014, 1, .	2.7	0
15	Co-fired magnetolectric transformer. Applied Physics Letters, 2014, 104, .	3.3	14
16	Enhanced electromechanical coupling in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 radially textured cylinders. Applied Physics Letters, 2014, 104, 012910.	3.3	21
17	Near-flat self-biased magnetolectric response in geometry gradient composite. Journal of Applied Physics, 2014, 115, .	2.5	18
18	Organic, Flexible, Polymer Composites for High-Temperature Piezoelectric Applications. Energy Harvesting and Systems, 2014, 1, .	2.7	2

#	ARTICLE	IF	CITATIONS
19	Complex permittivity scaling of functionally graded composites. <i>Materials Research Express</i> , 2014, 1, 016305.	1.6	3
20	Magnetostriction measurement in thin films using laser Doppler vibrometry. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 363, 179-187.	2.3	16
21	Enhanced magnetoelectric effect in longitudinal-longitudinal mode laminate with cofired interdigitated electrodes. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	12
22	Anisotropic self-biased dual-phase low frequency magneto-mechano-electric energy harvesters with giant power densities. <i>APL Materials</i> , 2014, 2, .	5.1	59
23	Dual-phase self-biased magnetoelectric energy harvester. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	80
24	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
25	Synthesis mechanism of grain-oriented lead-free piezoelectric Na _{0.5} Bi _{0.5} TiO ₃ BaTiO ₃ ceramics with giant piezoelectric response. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2102.	5.5	134
26	Giant self-biased magnetoelectric coupling in co-fired textured layered composites. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	72
27	Self-biased Dual-phase Energy Harvesting System. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1556, 1.	0.1	2
28	Fatigue mechanism of textured Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ceramics. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	23
29	Tunable self-biased magnetoelectric response in homogenous laminates. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	101