Xinyu Li

List of Publications by Year in descending order

23 papers	2,012 citations	623734 14 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1611 citing authors

#	Article	IF	Citations
1	Giant Electrocaloric Response Over A Broad Temperature Range in Modified BaTiO₃ Ceramics. Advanced Functional Materials, 2014, 24, 1300-1305.	14.9	377
2	Electrocaloric Materials: Giant Electrocaloric Response Over A Broad Temperature Range in Modified BaTiO3Ceramics (Adv. Funct. Mater. 9/2014). Advanced Functional Materials, 2014, 24, 1336-1336.	14.9	6
3	Electrocaloric Polymers. Engineering Materials, 2014, , 107-124.	0.6	3
4	Electrical and thermal properties of vinylidene fluorideâ€“trifluoroethylene-based polymer system with coexisting ferroelectric and relaxor states. Journal of Materials Science, 2013, 48, 7920-7926.	3.7	7
5	Enhanced Electrocaloric Effect in Poly(vinylidene fluoride-trifluoroethylene)-based Composites. Materials Research Society Symposia Proceedings, 2013, 1490, 235-240.	0.1	2
6	A polymer blend approach to tailor the ferroelectric responses in P(VDFâ€“TrFE) based copolymers. Polymer, 2013, 54, 2373-2381.	3.8	69
7	A nanocomposite approach to tailor electrocaloric effect inÂferroelectric polymer. Polymer, 2013, 54, 5299-5302.	3.8	33
8	Pyroelectric and electrocaloric materials. Journal of Materials Chemistry C, 2013, 1, 23-37.	5.5	202
9	Novel polymer ferroelectric behavior via crystal isomorphism and the nanoconfinement effect. Polymer, 2013, 54, 1709-1728.	3.8	251
10	Simulation of chip-size electrocaloric refrigerator with high cooling-power density. Applied Physics Letters, 2013, 102, .	3.3	48
11	A chip scale electrocaloric effect based cooling device. Applied Physics Letters, 2013, 102, .	3.3	159
12	Large Electrocaloric Effect from Electrical Field Induced Orientational Order-Disorder Transition in Nematic Liquid Crystals Possessing Large Dielectric Anisotropy. Materials Research Society Symposia Proceedings, 2013, 1543, 13-20.	0.1	1
13	Nonlinear dielectric response of polymer system with coexisting ferroelectric and relaxor states. , 2013, , .		0
14	Electrocaloric and electrostrictive effect of polar P(VDFâ€“TrFEâ€“CFE) terpolymers. Journal of Advanced Dielectrics, 2013, 03, 1350015.	2.4	5
15	Large Electrocaloric Effect in a Dielectric Liquid Possessing a Large Dielectric Anisotropy Near the Isotropicâ€“Nematic Transition. Advanced Functional Materials, 2013, 23, 2894-2898.	14.9	37
16	Giant electrocaloric effect in ferroelectric poly(vinylidenefluoride-trifluoroethylene) copolymers near a first-order ferroelectric transition. Applied Physics Letters, 2012, 101, .	3.3	77
17	Electrocaloric Effect and Dipolar Entropy Change in Ferroelectric Polymers. Ferroelectrics, 2012, 426, 38-44.	0.6	8
18	Maximizing the number of coexisting phases near invariant critical points for giant electrocaloric and electromechanical responses in ferroelectrics. Applied Physics Letters, 2012, 101, 082904.	3.3	75

#	Article	IF	Citations
19	Compact cooling devices based on giant electrocaloric effect dielectrics. , 2012, , .		1
20	Enhanced electrocaloric effect in poly(vinylidene fluoride-trifluoroethylene)-based terpolymer/copolymer blends. Applied Physics Letters, 2012, 100, .	3.3	44
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