Hao Pan

List of Publications by Year
in descending order

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22 papers	2,247 citations	471061 17 h-index	713013 21 g-index
22 all docs	22 docs citations	22 times ranked	1393 citing authors

#	Article	IF	Citations
1	High energy storage capability of perovskite relaxor ferroelectrics via hierarchical optimization. Rare Metals, 2022, 41, 730-744.	3.6	33
2	Phaseâ€Field Simulations of Tunable Polar Topologies in Leadâ€Free Ferroelectric/Paraelectric Multilayers with Ultrahigh Energyâ€Storage Performance. Advanced Materials, 2022, 34, e2108772.	11.1	24
3	Strain Engineering of Energy Storage Performance in Relaxor Ferroelectric Thin Film Capacitors. Advanced Theory and Simulations, 2022, 5, .	1.3	13
4	Controllable electrical, magnetoelectric and optical properties of BiFeO3 via domain engineering. Progress in Materials Science, 2022, 127, 100943.	16.0	40
5	Perspectives on domain engineering for dielectric energy storage thin films. Applied Physics Letters, 2022, 120, .	1.5	8
6	High-entropy enhanced capacitive energy storage. Nature Materials, 2022, 21, 1074-1080.	13.3	161
7	Ferroelectric polymers and their nanocomposites for dielectric energy storage applications. APL Materials, 2021, 9, .	2.2	37
8	Advances in Dielectric Thin Films for Energy Storage Applications, Revealing the Promise of Group IV Binary Oxides. ACS Energy Letters, 2021, 6, 2208-2217.	8.8	50
9	Antiferroelectric Anisotropy of Epitaxial PbHfO₃ Films for Flexible Energy Storage. Advanced Functional Materials, 2021, 31, 2105060.	7.8	29
10	High-stability transparent flexible energy storage based on PbZrO3/muscovite heterostructure. Nano Energy, 2021, 87, 106149.	8.2	35
11	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. Science, 2021, 374, 100-104.	6.0	276
12	Enhanced electric resistivity and dielectric energy storage by vacancy defect complex. Energy Storage Materials, 2021, 42, 836-844.	9.5	24
13	Dielectric films for high performance capacitive energy storage: multiscale engineering. Nanoscale, 2020, 12, 19582-19591.	2.8	69
14	Fabrication and applications of flexible inorganic ferroelectric thin films. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 217708.	0.2	3
15	Enhancements of dielectric and energy storage performances in leadâ€free films with sandwich architecture. Journal of the American Ceramic Society, 2019, 102, 936-943.	1.9	37
16	Ultrahighâ€“energy density lead-free dielectric films via polymorphic nanodomain design. Science, 2019, 365, 578-582.	6.0	662
17	Investigation of Negative Capacitance Effect from Domain Switching Dynamics. , 2019, , .		0
18	Giant energy density and high efficiency achieved in bismuth ferrite-based film capacitors via domain engineering. Nature Communications, 2018, 9, 1813.	5.8	408

#	Article	IF	Citations
19	Effects of annealing process and the additive on the electrical properties of chemical solution deposition derived 0.65Pb(Mg1/3Nb2/3)O3â€“0.35PbTiO3 thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 16997-17002.	1.1	3
20	BiFeO₃â€“SrTiO₃thin film as a new lead-free relaxor-ferroelectric capacitor with ultrahigh energy storage performance. Journal of Materials Chemistry A, 2017, 5, 5920-5926.	5.2	218
21	A surface-modified TiO₂ nanorod array/P(VDFâ€“HFP) dielectric capacitor with ultra high energy density and efficiency. Journal of Materials Chemistry C, 2017, 5, 12777-12784.	2.7	65
22	Thickness-dependent dielectric and energy storage properties of (Pb0.96La0.04)(Zr0.98Ti0.02)O3 antiferroelectric thin films. Journal of Applied Physics, 2016, 119, .	1.1	52