

Ye Zhao

List of Publications by Year in descending order

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papers

299
citations

933447

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times ranked

299
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#	ARTICLE	IF	CITATIONS
1	Synergistically optimizing electrocaloric effects and temperature span in KNN-based ceramics utilizing a relaxor multiphase boundary. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4030-4039.	5.5	57
2	Systematical investigation on energy-storage behavior of PLZST antiferroelectric ceramics by composition optimizing. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2170-2180.	3.8	32
3	Enhanced energy-storage performance of an all-inorganic flexible bilayer-like antiferroelectric thin film using electric field engineering. <i>Nanoscale</i> , 2020, 12, 8958-8968.	5.6	26
4	Synergistically achieving ultrahigh energy-storage density and efficiency in linear-like lead-based multilayer ceramic capacitor. <i>Scripta Materialia</i> , 2021, 195, 113723.	5.2	23
5	High energy-storage density and efficiency in PbZrO ₃ -based antiferroelectric multilayer ceramic capacitors. <i>Journal of the European Ceramic Society</i> , 2022, 42, 6493-6503.	5.7	20
6	Direct observation of the domain kinetics during polarization reversal of tetragonal PMN-PT crystal. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	17
7	Maintenance of SOX9 stability and ECM homeostasis by selenium-sensitive PRMT5 in cartilage. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 932-944.	1.3	16
8	Enhanced electrocaloric effect of relaxor potassium sodium niobate lead-free ceramic via multilayer structure. <i>Scripta Materialia</i> , 2021, 193, 97-102.	5.2	16
9	Optimization of energy-storage properties for lead-free relaxor-ferroelectric (1-x)Na _{0.5} Bi _{0.5} TiO ₃ -xSr _{0.7} Nd _{0.2} TiO ₃ ceramics. <i>Journal of Materials Science</i> , 2022, 57, 217-228.	3.7	16
10	Thermal annealing and single-domain preparation in tetragonal Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystal for electro-optic and nonlinear optical applications. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	14
11	Large Room-Temperature Electrocaloric Response Realized in Potassium-Sodium Niobate by a Relaxor Enhancement Effect and Multilayer Ceramic Construct. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11626-11635.	8.0	13
12	Enhanced room temperature electrocaloric effect in lead-free relaxor ferroelectric NBT ceramics with excellent temperature stability. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162241.	5.5	10
13	Direct observation of domain kinetics in rhombohedral PMN-28PT single crystals during polarization reversal. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	9
14	Linear optical properties and second-harmonic generation of (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ single crystals. <i>Ferroelectrics</i> , 2019, 542, 112-119.	0.6	8
15	Achieve single domain state in (111)-oriented rhombohedral phase PMN-PT relaxor ferroelectric single crystals for electro-optical application. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	7
16	Dense ferroelectric-ferroelastic domain structures in rhombohedral PMN-28PT single crystals. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	5
17	Enhanced energy-storage properties of lead-free Bi _{0.5} Na _{0.5} TiO ₃ -based relaxor ferroelectric ceramics by tuning sintering temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26258-26267.	2.2	4
18	Enhanced electrocaloric effect in lead-free ferroelectric potassium-sodium niobate ceramics benefiting from phase boundary design. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 17322-17330.	2.2	3

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19	The effect of machining on domain configuration in [001]-oriented tetragonal Pb(Mg _{1/3} Nb _{2/3})O ₃ ∧PbTiO ₃ single crystals. Journal of Applied Physics, 2018, 124, 173103.	2.5	2
20	Temperature and electric field treatment of the rhombohedral PMN-PT single crystals. Ferroelectrics, 2019, 541, 66-73.	0.6	1
21	10.1063/1.5114885.1. , 2019, , .		0
22	Effect of electric field intensity on domain kinetics of Pb(Mg _{1/3} Nb _{2/3})O ₃ ∧0.38PbTiO ₃ single crystal. Ceramics International, 2022, , .	4.8	0