

Xiaojie Lou

List of Publications by Year in descending order

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179
papers

8,754
citations

36203

51
h-index

54797

84
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181
all docs

181
docs citations

181
times ranked

5508
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring ferroelectric polarization and relaxation of BNT-based lead-free relaxors for superior energy storage properties. <i>Chemical Engineering Journal</i> , 2022, 428, 132612.	6.6	50
2	(Bi _{0.5} Na _{0.5})TiO ₃ -based relaxor ferroelectrics with enhanced energy-storage density and efficiency under low/moderate - fields via average ionic polarizability design. <i>Chemical Engineering Journal</i> , 2022, 431, 133716.	6.6	6
3	Grain size modulated (Na _{0.5} Bi _{0.5}) _{0.65} Sr _{0.35} TiO ₃ -based ceramics with enhanced energy storage properties. <i>Chemical Engineering Journal</i> , 2022, 433, 133584.	6.6	34
4	Remarkably enhanced recoverable energy density in lead-free relaxor Ba _{0.94} Ca _{0.06} Ti ^x Sr _x O ₃ ceramics by the synergistic effect of nano-domains and refined grains. <i>Journal of Alloys and Compounds</i> , 2022, 897, 163212.	2.8	1
5	Antiferroelectric-ferroelectric phase transition and negative electrocaloric effect in alkaline-earth element doped PbZrO ₃ thin films. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163165.	2.8	3
6	New Degree of Freedom in Determining Superior Piezoelectricity at the Lead-Free Morphotropic Phase Boundary: The Invisible Ferroelectric Crossover. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1434-1442.	4.0	6
7	Enhancement of energy storage properties of Bi _{0.5} Na _{0.5} TiO ₃ -based relaxor ferroelectric under moderate electric field. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	5
8	Enhanced energy storage performance of 0.88(0.65Bi _{0.5} Na _{0.5} TiO ₃ -0.35SrTiO ₃)-0.12Bi(Mg _{0.5} Hf _{0.5})O ₃ lead-free relaxor ceramic by composition design strategy. <i>Chemical Engineering Journal</i> , 2022, 437, 135462.	6.6	41
9	Enhanced charge separation in La ₂ NiO ₄ nanoplates by coupled piezocatalysis and photocatalysis for efficient H ₂ evolution. <i>Nanoscale</i> , 2022, 14, 7083-7095.	2.8	16
10	Ultrahigh energy storage density in (Bi _{0.5} Na _{0.5}) _{0.65} Sr _{0.35} TiO ₃ -based lead-free relaxor ceramics with excellent temperature stability. <i>Nano Energy</i> , 2022, 98, 107276.	8.2	93
11	High strain in Bi _{0.5} Na _{0.5} TiO ₃ -based relaxors by adding two modifiers featuring with morphotropic phase boundary. <i>Scripta Materialia</i> , 2022, 218, 114674.	2.6	6
12	Enhanced energy storage performance in Sr _{0.7} La _{0.2} Zr _{0.15} Ti _{0.85} O ₃ -modified Bi _{0.5} Na _{0.5} TiO ₃ ceramics via constructing local phase coexistence. <i>Chemical Engineering Journal</i> , 2022, 446, 137105.	6.6	28
13	High-Performance Strain of Lead-Free Relaxor Ferroelectric Piezoceramics by the Morphotropic Phase Boundary Modification. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
14	Enhanced electrocaloric effect in the Sm and Hf co-doped BaTiO ₃ ceramics. <i>Ceramics International</i> , 2021, 47, 1101-1108.	2.3	24
15	Enhanced electrocaloric effect in BaSn/TiO ₃ ceramics by addition of CuO. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156772.	2.8	8
16	High energy density hybrid supercapacitors derived from novel Ni ₃ Se ₂ nanowires <i>in situ</i> constructed on porous nickel foam. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1093-1101.	3.0	8
17	Energy storage performance of Bi _{0.5} Na _{0.5} TiO ₃ -based relaxor ferroelectric ceramics with superior temperature stability under low electric fields. <i>Chemical Engineering Journal</i> , 2021, 410, 128376.	6.6	114
18	Enhanced energy storage properties in lead-free NaNbO ₃ -Sr _{0.7} Bi _{0.2} TiO ₃ -BaSnO ₃ ternary ceramic. <i>Journal of Materials Science</i> , 2021, 56, 11922-11931.	1.7	22

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19	Large electric-field-induced strain and energy storage properties in Bi _{0.5} Na _{0.5} TiO ₃ -(0.5Ba _{0.7} Ca _{0.3} TiO ₃ -0.5BaTi _{0.8} Zr _{0.2} O ₃) lead-free relaxor ferroelectric ceramics. Journal of Alloys and Compounds, 2021, 860, 158369.	2.8	30
20	Domain Engineered Lead-Free Ceramics with Large Energy Storage Density and Ultra-High Efficiency under Low Electric Fields. ACS Applied Materials & Interfaces, 2021, 13, 25143-25152.	4.0	82
21	Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free ceramics with superior energy storage properties at high temperatures. Composites Part B: Engineering, 2021, 215, 108815.	5.9	59
22	Insights into the tribo-/pyro-catalysis using Sr-doped BaTiO ₃ ferroelectric nanocrystals for efficient water remediation. Chemical Engineering Journal, 2021, 416, 128986.	6.6	63
23	Doping-induced Polar Defects Improve the Electrocaloric Performance of $\text{Ba}_{0.9}\text{Ti}_{0.7}\text{Nb}_{0.15}\text{O}_{3-x}$. Physical Review Applied, 2021, 16, .	1.5	7
24	Multifunctionality in (K,Na)NbO ₃ -based ceramic near polymorphic phase boundary. Journal of Applied Physics, 2021, 130, 064102.	1.1	2
25	Enhanced energy storage density of Sr _{0.7} BixTiO ₃ lead-free relaxor ceramics via A-site defect and grain size tuning. Chemical Engineering Journal, 2021, 420, 129808.	6.6	60
26	Superior energy storage properties in (1-x)(0.65Bi _{0.5} Na _{0.5} TiO ₃ -0.35Bi _{0.2} Sr _{0.7} TiO ₃)-xCaZrO ₃ ceramics with excellent temperature stability. Journal of Alloys and Compounds, 2021, 876, 160101.	2.8	19
27	Significantly enhanced energy storage properties of Nd ³⁺ doped AgNbO ₃ lead-free antiferroelectric ceramics. Journal of Alloys and Compounds, 2021, 877, 160162.	2.8	37
28	Extraordinary energy storage performance and thermal stability in sodium niobate-based ceramics modified by the ion disorder and stabilized antiferroelectric orthorhombic R phase. Journal of Materials Chemistry A, 2021, 9, 24387-24396.	5.2	31
29	Sulfate assisted synthesis of $\hat{\pm}$ -type nickel hydroxide nanowires with 3D reticulation for energy storage in hybrid supercapacitors. Materials Chemistry Frontiers, 2021, 6, 94-102.	3.2	7
30	Atomic-scale fatigue mechanism of ferroelectric tunnel junctions. Science Advances, 2021, 7, eabh2716.	4.7	25
31	Temperature Stability of Dielectric Constant and Energy Storage Properties of (Pb _{1-x} ,La _x)(Zr _{0.65} ,Ti _{0.35})O ₃ Relaxor Ferroelectric Thin Films. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 2052-2057.	1.8	8
32	Excellent thermal stability of large polarization in (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ thin films induced by defect dipole. Applied Surface Science, 2020, 504, 144391.	3.1	8
33	High electrostrictive strain in lead-free relaxors near the morphotropic phase boundary. Acta Materialia, 2020, 182, 39-46.	3.8	57
34	Composition-driven inverse-to-conventional transformation of electrocaloric effect and large energy storage density in strontium modified Ba(Zr _{0.1} Ti _{0.9})O ₃ thin films. Journal of Materials Chemistry C, 2020, 8, 1366-1373.	2.7	18
35	Enhanced energy storage performance of advanced hybrid supercapacitors derived from ultrafine Ni@P@Ni nanotubes with novel three-dimensional porous network synthesized via reaction temperatures regulation. Electrochimica Acta, 2020, 331, 135440.	2.6	17
36	The primary and secondary electrocaloric effect at ferroelectric-ferroelectric transitions in lead-free ceramics. Scripta Materialia, 2020, 178, 150-154.	2.6	9

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37	Giant Electrocaloric Effect and Ultrahigh Refrigeration Efficiency in Antiferroelectric Ceramics by Morphotropic Phase Boundary Design. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45005-45014.	4.0	37
38	A New Strategy for Large Dynamic Piezoelectric Responses in Lead-Free Ferroelectrics: The Relaxor/Morphotropic Phase Boundary Crossover. <i>Advanced Functional Materials</i> , 2020, 30, 2004641.	7.8	38
39	Remarkably enhanced energy storage properties of lead-free Ba _{0.53} Sr _{0.47} TiO ₃ thin films capacitors by optimizing bottom electrode thickness. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5475-5482.	2.8	14
40	Coupling between phase transitions and glassy magnetic behaviour in Heusler alloy Ni ₅₀ Mn ₃₄ In ₈ Ga ₈ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 325402.	0.7	5
41	Large energy storage density in BiFeO ₃ -BaTiO ₃ -AgNbO ₃ lead-free relaxor ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2929-2935.	2.8	131
42	Significantly enhanced energy storage density of epitaxial Ba _{0.53} Sr _{0.47} TiO ₃ thin films by optimizing bottom electrode material. <i>Ceramics International</i> , 2020, 46, 13900-13906.	2.3	15
43	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.	2.7	57
44	Enhanced electric-field-induced strain in 0.7Bi(1-x)SmxFeO ₃ -0.3BaTiO ₃ lead-free ceramics. <i>Journal of Materials Science</i> , 2020, 55, 8134-8144.	1.7	16
45	Effect of polarization fatigue on the electrocaloric effect of relaxor Pb _{0.92} La _{0.08} Zr _{0.65} Ti _{0.35} O ₃ thin film. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	9
46	Nano-Ferroelectric for High Efficiency Overall Water Splitting under Ultrasonic Vibration. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15076-15081.	7.2	185
47	Nano-Ferroelectric for High Efficiency Overall Water Splitting under Ultrasonic Vibration. <i>Angewandte Chemie</i> , 2019, 131, 15220-15225.	1.6	15
48	Large enhancement of energy storage density in (Pb _{0.92} La _{0.08})(Zr _{0.65} Ti _{0.35})O ₃ /PbZrO ₃ multilayer thin film. <i>Ceramics International</i> , 2019, 45, 20046-20050.	2.3	37
49	Large energy storage properties of lead-free (1-x)(0.72Bi _{0.5} Na _{0.5} TiO ₃ -0.28SrTiO ₃)-xBiAlO ₃ ceramics at broad temperature range. <i>Journal of Alloys and Compounds</i> , 2019, 784, 788-793.	2.8	75
50	Remarkably Enhanced Negative Electrocaloric Effect in PbZrO ₃ Thin Film by Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36863-36870.	4.0	28
51	Lead-free A ₂ Bi ₄ Ti ₅ O ₁₈ thin film capacitors (A = Ba and) <i>Tj ETQq1 1 0.784314 rg</i> <i>Materials Chemistry C</i> , 2019, 7, 1888-1895.	2.7	54
52	Plasmonic-enhanced ferroelectric photovoltaic effect in 0 ³ type BaTiO ₃ -Au ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 785, 584-589.	2.8	9
53	Realization of high energy density in an ultra-wide temperature range through engineering of ferroelectric sandwich structures. <i>Nano Energy</i> , 2019, 62, 725-733.	8.2	42
54	Electrocaloric effect in ferroelectric ceramics with point defects. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	11

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55	The impact of surface plasma on the total emission charge from PZST cathode induced by nanosecond electric pulse. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	0.9	0
56	Flexible ultrahigh energy storage density in lead-free heterostructure thin-film capacitors. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	21
57	Internal Electric Field and Polarization Backswitching Induced by Nb Doping in BiFeO_3 Thin Films. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2701-2707.	2.0	12
58	Flexible lead-free oxide film capacitors with ultrahigh energy storage performances in extremely wide operating temperature. <i>Nano Energy</i> , 2019, 57, 519-527.	8.2	75
59	Electroresistance of $\text{Pt/BaTiO}_3/\text{LaNiO}_3$ ferroelectric tunnel junctions and its dependence on BaTiO_3 thickness. <i>Materials Research Express</i> , 2019, 6, 046307.	0.8	10
60	Enhanced piezoelectric, electrocaloric and energy storage properties at high temperature in lead-free $\text{Bi}_{0.5}(\text{Na}_{1-x}\text{K}_x)\text{O}_{0.5}\text{TiO}_3$ ceramics. <i>Ceramics International</i> , 2019, 45, 4274-4282.	2.3	38
61	Giant negative electrocaloric effect in antiferroelectric PbZrO_3 thin films in an ultra-low temperature range. <i>Journal of Materials Chemistry C</i> , 2019, 7, 617-621.	2.7	44
62	Tuning the microstructure of $\text{BaTiO}_3/\text{SiO}_2$ core-shell nanoparticles for high energy storage composite ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 784, 173-181.	2.8	31
63	All-Inorganic Flexible Embedded Thin-Film Capacitors for Dielectric Energy Storage with High Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5247-5255.	4.0	81
64	Thermal strain induced large electrocaloric effect of relaxor thin film on LaNiO_3/Pt composite electrode with the coexistence of nanoscale antiferroelectric and ferroelectric phases in a broad temperature range. <i>Nano Energy</i> , 2018, 47, 285-293.	8.2	78
65	Publisher's Note: Glass-Glass Transitions by Means of an Acceptor-Donor Percolating Electric-Dipole Network [Phys. Rev. Applied 8 , 054018 (2017)]. <i>Physical Review Applied</i> , 2018, 9, .	1.5	0
66	Effects of Epitaxial Strain on Antiferrodistortion of AgNbO_3 from First-Principle Calculations. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800007.	1.2	7
67	Large electric-field-induced strain and enhanced piezoelectric constant in CuO -modified $\text{BiFeO}_3/\text{BaTiO}_3$ ceramics. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3383-3392.	1.9	41
68	Ultrahigh energy storage in lead-free $\text{BiFeO}_3/\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ thin film capacitors by solution processing. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	74
69	Interface thickness optimization of lead-free oxide multilayer capacitors for high-performance energy storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1858-1864.	5.2	52
70	Large strain response in Li/Nb co-doped $\text{Bi}_{0.5}(\text{Na}_{0.8}\text{K}_{0.2})\text{O}_{0.5}\text{TiO}_3$ lead-free piezoceramics. <i>Ceramics International</i> , 2018, 44, 7378-7383.	2.3	13
71	Strain Coupling and Dynamic Relaxation in a Molecular Perovskite-Like Multiferroic Metal-Organic Framework. <i>Advanced Functional Materials</i> , 2018, 28, 1806013.	7.8	28
72	Energy storage properties in $\text{BaTiO}_3\text{-Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ thin films. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	38

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73	Effects of Fe ₂ O ₃ doping on the electrical properties of Na _{0.47} Bi _{0.47} Ba _{0.06} TiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2018, 44, 22053-22058.	2.3	8
74	Defect-controlled electrocaloric effect in PbZrO ₃ thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10332-10340.	2.7	38
75	Significantly enhanced energy storage density with superior thermal stability by optimizing Ba(Zr _{0.15} Ti _{0.85})O ₃ /Ba(Zr _{0.35} Ti _{0.65})O ₃ multilayer structure. <i>Nano Energy</i> , 2018, 51, 539-545.	8.2	108
76	Tunable electrocaloric and energy storage behavior in the Ce, Mn hybrid doped BaTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4664-4669.	2.8	69
77	Giant strain with low hysteresis in A-site-deficient (Bi _{0.5} Na _{0.5})TiO ₃ -based lead-free piezoceramics. <i>Acta Materialia</i> , 2017, 128, 337-344.	3.8	222
78	Large electrocaloric strength and broad electrocaloric temperature span in lead-free Ba _{0.85} Ca _{0.15} Ti _{1-x} Hf _x O ₃ ceramics. <i>RSC Advances</i> , 2017, 7, 5813-5820.	1.7	46
79	Enhanced electrocaloric effect near polymorphic phase boundary in lead-free potassium sodium niobate ceramics. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	53
80	Pollen-inspired synthesis of porous and hollow NiO elliptical microstructures assembled from nanosheets for high-performance electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2017, 321, 546-553.	6.6	40
81	The dielectric, strain and energy storage density of BNT-BKHxTl _{1-x} piezoelectric ceramics. <i>Ceramics International</i> , 2017, 43, 9253-9258.	2.3	43
82	Large Energy Density, Excellent Thermal Stability, and High Cycling Endurance of Lead-Free BaZr _{0.2} Ti _{0.8} O ₃ Film Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17096-17101.	4.0	76
83	Ni-doped SrBi ₂ Nb ₂ O ₉ "Perovskite oxides with reduced band gap and stable ferroelectricity for photovoltaic applications. <i>Journal of Alloys and Compounds</i> , 2017, 724, 1093-1100.	2.8	25
84	Ultrahigh Energy Storage Performance of Lead-Free Oxide Multilayer Film Capacitors via Interface Engineering. <i>Advanced Materials</i> , 2017, 29, 1604427.	11.1	247
85	Direct aqueous solution synthesis of an ultra-fine amorphous nickel-boron alloy with superior pseudocapacitive performance for advanced asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 7302-7311.	1.4	38
86	Developing a ferroelectric nanohybrid for enhanced photocatalysis. <i>Chemical Communications</i> , 2017, 53, 7596-7599.	2.2	29
87	Fatigue mechanism verified using photovoltaic properties of Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	17
88	Modulating the electric and magnetic properties of BiFeO ₃ ceramics. <i>Materials and Design</i> , 2017, 125, 213-221.	3.3	17
89	Large strain and strain memory effect in bismuth ferrite lead-free ceramics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9528-9533.	2.7	32
90	Facile synthesis of truncated cube-like NiSe ₂ single crystals for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2017, 330, 1334-1341.	6.6	138

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91	Glassy Spin Dynamics in Geometrically Frustrated Buckled Colloidal Crystals. <i>Physical Review X</i> , 2017, 7, .	2.8	17
92	Large electrocaloric efficiency over a broad temperature span in lead-free BaTiO ₃ -based ceramics near room temperature. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	27
93	Glass-Glass Transitions by Means of an Acceptor-Donor Percolating Electric-Dipole Network. <i>Physical Review Applied</i> , 2017, 8, .	1.5	17
94	Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin film capacitors for energy storage applications. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	57
95	Direct and indirect measurement of electrocaloric effect in lead-free (100-x)Ba(Hf _{0.2} Ti _{0.8})O ₃ -x(Ba _{0.7} Ca _{0.3})TiO ₃ ceramics near multi-phase boundary. <i>Journal of Alloys and Compounds</i> , 2017, 725, 275-282.	2.8	23
96	Growth of centimeter-sized [(CH ₃) ₂ NH ₂][Mn(HCOO) ₃] hybrid formate perovskite single crystals and Raman evidence of pressure-induced phase transitions. <i>New Journal of Chemistry</i> , 2017, 41, 151-159.	1.4	31
97	A New Ba _{0.6} Sr _{0.4} TiO ₃ "Silicon Hybrid Metamaterial Device in Terahertz Regime. <i>Small</i> , 2016, 12, 2610-2615.	5.2	38
98	Metamaterials: A New Ba _{0.6} Sr _{0.4} TiO ₃ -Silicon Hybrid Metamaterial Device in Terahertz Regime (Small) <i>Tj ETQq0 0 Q,rgBT /Overlock 10 T</i>	5.2	4
99	Defect dipole-induced poling characteristics and ferroelectricity of quenched bismuth ferrite-based ceramics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6140-6151.	2.7	75
100	Structural, electronic and magnetic properties of metal-organic-framework perovskites [AmH][Mn(HCOO) ₃]: a first-principles study. <i>RSC Advances</i> , 2016, 6, 48779-48787.	1.7	11
101	Single-crystal I ² -NiS nanorod arrays with a hollow-structured Ni ₃ S ₂ framework for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7700-7709.	5.2	168
102	Novel lead-free ferroelectric film by ultra-small Ba _{0.8} Sr _{0.2} TiO ₃ nanocubes assembled for a large electrocaloric effect. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29033-29040.	1.3	18
103	Optical phonons, OH vibrations, and structural modifications of phlogopite at high temperatures: An in-situ infrared spectroscopic study. <i>American Mineralogist</i> , 2016, 101, 1873-1883.	0.9	8
104	Dead layer effect and its elimination in ferroelectric thin film with oxide electrodes. <i>Acta Materialia</i> , 2016, 112, 216-223.	3.8	30
105	Large room-temperature electrocaloric effect in lead-free BaHfTiO ₃ ceramics under low electric field. <i>Acta Materialia</i> , 2016, 115, 58-67.	3.8	162
106	High-performance nickel cobalt sulfide materials via low-cost preparation for advanced asymmetric supercapacitors. <i>RSC Advances</i> , 2016, 6, 42633-42642.	1.7	29
107	Giant electrocaloric effect in lead-free Ba _{0.94} Ca _{0.06} Ti _{1-x} Sn _x O ₃ ceramics with tunable Curie temperature. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	60
108	Polarization fatigue in antiferroelectric (Pb,La)(Zr,Ti)O ₃ thin films: The role of the effective strength of driving waveform. <i>Ceramics International</i> , 2015, 41, S289-S295.	2.3	6

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109	Insight into Metalized Interfaces in Nano Devices by Surface Analytical Techniques. ACS Applied Materials & Interfaces, 2015, 7, 27351-27356.	4.0	4
110	Role of antimony in the phase structure and electrical properties of potassium-sodium niobate lead-free ceramics. RSC Advances, 2015, 5, 14575-14583.	1.7	77
111	Influence of epitaxial strain on elastocaloric effect in ferroelectric thin films. Applied Physics Letters, 2015, 106, .	1.5	17
112	(1 - x)Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 632 Td (x)(K_{0.48}Na_{0.52})(Nb_{0.95}Ta_{0.05})^z/sub>Ta_{0.05})^z/sub> lead-free ceramics: composition dependence of the phase boundaries and electrical properties. Dalton Transactions, 2015, 44, 4440-4448.	1.6	44
113	Characteristics of giant piezoelectricity around the rhombohedral-tetragonal phase boundary in (K,Na)NbO₃-based ceramics with different additives. Journal of Materials Chemistry A, 2015, 3, 15951-15961.	5.2	40
114	Strong Piezoelectricity in (1 - x)(K_{0.4}Na_{0.6})(Nb_{0.96}Sb_{0.04})₃-xBi_{0.5}K_{0.5}Zr₁-ySnyO₃ Lead-Free Binary System: Identification and Role of Multiphase Coexistence. ACS Applied Materials & Interfaces, 2015, 7, 5927-5937.	4.0	63
115	High unipolar strain in samarium-doped potassium-sodium niobate lead-free ceramics. RSC Advances, 2015, 5, 39295-39302.	1.7	19
116	Facile synthesis of three-dimensional structured carbon fiber-NiCo₂O₄-Ni(OH)₂ high-performance electrode for pseudocapacitors. Scientific Reports, 2015, 5, 9277.	1.6	78
117	Composition design and electrical properties in (1 - x)(K_{0.4}Na_{0.6})₃-xBi_{0.5}K_{0.5}Zr₁-ySnyO₃ lead-free ceramics. Journal of Applied Physics, 2015, 117, .	1.1	25
118	Composition-Driven Phase Boundary and Piezoelectricity in Potassium-Sodium Niobate-Based Ceramics. ACS Applied Materials & Interfaces, 2015, 7, 20332-20341.	4.0	76
119	New (1 - x)(K_{0.45}Na_{0.55}Nb_{0.96}Sb_{0.04})₃-xBi_{0.5}Na_{0.5}HfO₃ lead-free ceramics: Phase boundary and their electrical properties. Journal of Applied Physics, 2015, 118, .	1.1	55
120	Potassium-sodium niobate lead-free ceramics: modified strain as well as piezoelectricity. Journal of Materials Chemistry A, 2015, 3, 1868-1874.	5.2	87
121	Effective driving voltage on polarization fatigue in (Pb,La)(Zr,Ti)O₃ antiferroelectric thin films. Ceramics International, 2015, 41, 109-114.	2.3	9
122	Microstructural evolution of charged defects in the fatigue process of polycrystalline BiFeO₃ thin films. Acta Materialia, 2015, 82, 190-197.	3.8	18
123	Effect of polarization fatigue on the Rayleigh coefficients of ferroelectric lead zirconate titanate thin films: Experimental evidence and implications. Applied Physics Letters, 2014, 105, .	1.5	13
124	Giant electrocaloric effect in asymmetric ferroelectric tunnel junctions at room temperature. Applied Physics Letters, 2014, 104, .	1.5	17
125	Strong electron emission from antiferroelectric PLZT(2/95/5) films. Applied Physics Letters, 2014, 104, .	1.5	11
126	Enhanced electrocaloric effect in lead-free BaTi_{1-x}Sn_xO₃ ceramics near room temperature. Applied Physics Letters, 2014, 105, .	1.5	165

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