Shan-Tao Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5406484/publications.pdf

Version: 2024-02-01

131 papers	5,542 citations	94433 37 h-index	85541 71 g-index
131 all docs	131 docs citations	131 times ranked	4373 citing authors

#	Article	IF	Citations
1	Giant strain in lead-free piezoceramics Bi0.5Na0.5TiO3â€“BaTiO3â€“K0.5Na0.5NbO3 system. Applied Physics Letters, 2007, 91, .	3.3	731
2	Lead-free piezoceramics with giant strain in the system Bi0.5Na0.5TiO3â€“BaTiO3â€“K0.5Na0.5NbO3. I. Structure and room temperature properties. Journal of Applied Physics, 2008, 103, .	2.5	264
3	Semiconductor/relaxor 0â€“3 type composites without thermal depolarization in Bi0.5Na0.5TiO3-based lead-free piezoceramics. Nature Communications, 2015, 6, 6615.	12.8	263
4	Morphotropic phase boundary in (1â^'x)Bi0.5Na0.5TiO3â€“xK0.5Na0.5NbO3 lead-free piezoceramics. Applied Physics Letters, 2008, 92, .	3.3	224
5	Lead-free piezoceramics with giant strain in the system Bi0.5Na0.5TiO3â€“BaTiO3â€“K0.5Na0.5NbO3. II. Temperature dependent properties. Journal of Applied Physics, 2008, 103, .	2.5	192
6	A review on the development of lead-free ferroelectric energy-storage ceramics and multilayer capacitors. Journal of Materials Chemistry C, 2020, 8, 16648-16667.	5.5	184
7	Programmable transition metal dichalcogenide homojunctions controlled by nonvolatile ferroelectric domains. Nature Electronics, 2020, 3, 43-50.	26.0	167
8	Temperatureâ€Dependent Electrical Properties of 0.94Bi_{0.5}Na_{0.5}TiO₃â€“0.06BaTiO₃ Ceramics. Journal of the American Ceramic Society, 2008, 91, 3950-3954.	3.8	162
9	Exceptionally High Piezoelectric Coefficient and Low Strain Hysteresis in Grain-Oriented (Ba, Ca)(Ti,) Tj ETQq1 1 0.784314 rgBT /Overlo Materials & Interfaces, 2017, 9, 29863-29871.	8.0	154
10	Ultrahigh energy storage density in lead-free relaxor antiferroelectric ceramics via domain engineering. Energy Storage Materials, 2021, 43, 383-390.	18.0	119
11	MoTe₂ pâ€“n Homojunctions Defined by Ferroelectric Polarization. Advanced Materials, 2020, 32, e1907937.	21.0	115
12	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WTe</mml:mi></mml:mrow><mml:mrow><mml:mn>1.98</mml:mn> Crystals at the Quasiclassical Regime. Physical Review Letters, 2017, 118, 096603.	7.8	114
13	Stress-induced phase transition in lead-free relaxor ferroelectric composites. Acta Materialia, 2017, 136, 271-280.	7.9	111
14	The temperature-dependent electrical properties of Bi0.5Na0.5TiO3â€“BaTiO3â€“Bi0.5K0.5TiO3 near the morphotropic phase boundary. Acta Materialia, 2012, 60, 469-475.	7.9	100
15	Bi0.5Na0.5TiO3-BaTiO3-K0.5Na0.5NbO3:ZnO relaxor ferroelectric composites with high breakdown electric field and large energy storage properties. Journal of the European Ceramic Society, 2018, 38, 4946-4952.	5.7	95
16	Enhanced energy storage properties of lead-free NaNbO3-based ceramics via A/B-site substitution. Chemical Engineering Journal, 2021, 422, 130130.	12.7	95
17	Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe)₂ Intermetallic Compounds. Journal of the American Chemical Society, 2018, 140, 602-605.	13.7	87
18	Progress and perspective of high strain NBT-based lead-free piezoceramics and multilayer actuators. Journal of Materiomics, 2021, 7, 508-544.	5.7	76

#	Article	IF	Citations
19	Relaxor/antiferroelectric composites: a solution to achieve high energy storage performance in lead-free dielectric ceramics. Journal of Materials Chemistry C, 2020, 8, 5681-5691.	5.5	75
20	Phase diagram and electrostrictive properties of Bi0.5Na0.5TiO3â€“BaTiO3â€“K0.5Na0.5NbO3 ceramics. Applied Physics Letters, 2010, 97, .	3.3	73
21	Enhanced pyroelectric property in (1â^'x)(Bi_{0.5}Na_{0.5})TiO₃-xBa(Zr_{0.055}Ti_{0.945})O₃ Role of morphotropic phase boundary and ferroelectric-antiferroelectric phase transition. Applied Physics Letters, 2013, 103, 182906.	3.3	72
22	Structure, optical, and magnetic properties of sputtered manganese and nitrogen-codoped ZnO films. Applied Physics Letters, 2006, 88, 082111.	3.3	71
23	Enhanced electromechanical properties and phase transition temperatures in [001] textured Pb(In1/2Nb1/2)O3-Pb(Mg1/3Nb2/3)O3-PbTiO3 ternary ceramics. Applied Physics Letters, 2015, 107, .	3.3	67
24	Complete set of material constants of 0.95(Na0.5Bi0.5)TiO3-0.05BaTiO3 lead-free piezoelectric single crystal and the delineation of extrinsic contributions. Applied Physics Letters, 2013, 103, .	3.3	66
25	Spin-Glass-Like Behavior and Topological Hall Effect in SrRuO₃/SrIrO₃ Superlattices for Oxide Spintronics Applications. ACS Applied Materials & Interfaces, 2017, 9, 3201-3207.	8.0	64
26	Magnetic and transport properties of (Mn, Co)-codoped ZnO films prepared by radio-frequency magnetron cosputtering. Journal of Applied Physics, 2005, 98, 053908.	2.5	60
27	Broadband gradient impedance matching using an acoustic metamaterial for ultrasonic transducers. Scientific Reports, 2017, 7, 42863.	3.3	60
28	Tunable semimetallic state in compressive-strained<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrIr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>films revealed by transport behavior. Physical Review B, 2015, 91, .	3.2	59
29	Enhanced photocatalytic efficiency of C₃N₄/BiFeO₃heterojunctions: the synergistic effects of band alignment and ferroelectricity. Physical Chemistry Chemical Physics, 2018, 20, 3648-3657.	2.8	57
30	Significantly Enhanced Energy-Harvesting Performance and Superior Fatigue-Resistant Behavior in [001]_c-Textured BaTiO₃-Based Lead-Free Piezoceramics. ACS Applied Materials & Interfaces, 2018, 10, 31488-31497.	8.0	57
31	Enhanced Piezoelectric Properties and Thermal Stability in the (K_{0.5}Na_{0.5})NbO₃:ZnO Leadâ€Free Piezoelectric Composites. Journal of the American Ceramic Society, 2015, 98, 3935-3941.	3.8	52
32	Giant positive magnetoresistance in half-metallic double-perovskite Sr ₂ CrWO ₆ thin films. Science Advances, 2017, 3, e1701473.	10.3	52
33	Morphotropic phase boundary and electrical properties in (1â^'x)Bi0.5Na0.5TiO3â^'xBi(Zn0.5Ti0.5)O3 lead-free piezoceramics. Journal of Applied Physics, 2010, 107, .	2.5	50
34	Ultrahigh energy harvesting properties in textured lead-free piezoelectric composites. Journal of Materials Chemistry A, 2019, 7, 3603-3611.	10.3	43
35	Phase Diagram and Enhanced Piezoelectric Response of Leadâ€Free <scp><scp>BaTiO</scp></scp>₃â€“<scp><scp>CaTiO</scp></scp>₃â€“<scp><scp>BaHfO</scp></scp>₃ System. Journal of the American Ceramic Society, 2014, 97, 3244-3251.	3.8	41
36	Bi0.5Na0.5TiO3:ZnO lead-free piezoelectric composites with deferred thermal depolarization. Applied Physics Letters, 2015, 106, .	3.3	41

#	Article	IF	Citations
37	Thermally-stable large strain in Bi(Mn0.5Ti0.5)O3 modified 0.8Bi0.5Na0.5TiO3-0.2Bi0.5K0.5TiO3 ceramics. Journal of the European Ceramic Society, 2019, 39, 1827-1836.	5.7	39
38	Novel lead-free NaNbO3-based relaxor antiferroelectric ceramics with ultrahigh energy storage density and high efficiency. Journal of Materiomics, 2022, 8, 295-301.	5.7	39
39	Highly enhanced thermal stability in quenched Na0.5Bi0.5TiO3-based lead-free piezoceramics. Journal of the European Ceramic Society, 2019, 39, 4705-4711.	5.7	37
40	Ultrahigh photoresponsivity MoS₂ photodetector with tunable photocurrent generation mechanism. Nanotechnology, 2018, 29, 485204.	2.6	35
41	Ultrahigh Energy Storage Density and High Efficiency in Lead-Free (Bi_{0.9}Na_{0.1})(Fe_{0.8}Ti_{0.2})O₃-Modified NaNbO₃ Ceramics via Stabilizing the Antiferroelectric Phase and Enhancing Relaxor Behavior. ACS Applied Materials & Interfaces, 2022, 14, 19704-19713.	8.0	35
42	Phase transition behavior and high piezoelectric properties in lead-free BaTiO3â€“CaTiO3â€“BaHfO3 ceramics. Journal of Materials Science, 2014, 49, 62-69.	3.7	34
43	Negative thermal expansion in (Sc,Ti)Fe₂ induced by an unconventional magnetovolume effect. Materials Horizons, 2020, 7, 275-281.	12.2	34
44	Sensitively Temperature-Dependent Spinâ€“Orbit Coupling in SrIrO₃Thin Films. Journal of the Physical Society of Japan, 2014, 83, 054707.	1.6	32
45	Dramatically decreased magnetoresistance in non-stoichiometric WTe2 crystals. Scientific Reports, 2016, 6, 26903.	3.3	32
46	Significant ferrimagnetism observed in Aurivillius Bi4Ti3O12 doped by antiferromagnetic LaFeO3. Applied Physics Letters, 2011, 98, .	3.3	30
47	Enhanced Multiferroic and Magnetocapacitive Properties of (1Âˆ’Âx)<scp><scp>Ba</scp></scp>_{0.7}<scp><scp>Ca</scp></scp>_{0.3}<scp><scp>TiO</scp></scp>₃–<scp><scp>Bi</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>TiO</scp></scp>₃ Ceramics. Journal of the American Ceramic Society, 2014, 97, 816-825.	3.8	30
48	Simultaneous achievement of ultrahigh energy storage density and high efficiency in BiFeO₃-based relaxor ferroelectric ceramics via a highly disordered multicomponent design. Journal of Materials Chemistry A, 2022, 10, 14316-14325.	10.3	30
49	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe₂ Alloys. Chemistry of Materials, 2017, 29, 7078-7082.	6.7	27
50	The metallic interface between insulating NdGaO₃ and SrTiO₃ perovskites. Applied Physics Letters, 2013, 103, 201602.	3.3	25
51	Photoluminescence and Temperature Dependent Electrical Properties of Erâ€Doped 0.94<scp><scp>Bi</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>TiO</scp></scp>₃–<scp><scp>Ba</scp></scp>_{0.06}<scp><scp>Ti</scp></scp>_{0.94}<scp><scp>Zr</scp></scp>_{0.06}<scp><scp>O</scp></scp>₃ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3877-3882.	3.8	25
52	Mn doping effects on electric properties of 0.93(Bi_{0.5}Na_{0.5})TiO₃â€“0.07Ba(Ti_{0.945}Zr_{0.055})O₃ ceramics. Journal of the American Ceramic Society, 2018, 101, 2996-3004.	3.8	25
53			

#	ARTICLE	IF	CITATIONS
55	Phase Characteristics and Piezoelectric Properties in the Bi_{0.5}Na_{0.5}TiO₃â€“BaTiO₃â€“K_{0.5}Na_{0.5}NbO₃ System. Journal of the American Ceramic Society, 2010, 93, 1561-1564.	3.8	23
56	Phase transitional behavior and electrical properties of Pb(In1/2Nb1/2)O3â€“Pb(Mg1/3Nb2/3)O3â€“PbTiO3 ternary ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 1874-1880.	2.2	22
57	Densification behavior and electrical properties of CuO-doped Pb(In 1/2 Nb 1/2)O 3 â€“Pb(Mg 1/3 Nb 2/3)O 3 â€“PbTiO 3 ternary ceramics. Ceramics International, 2016, 42, 7223-7229.	4.8	22
58	Shubnikovâ€“de Haas oscillations in bulk <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ZrT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math> single crystals: Evidence for a weak topological insulator. Physical Review B, 2018, 97, .	3.2	22
59	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^’</mml:mo><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> crystals. Physical Review B, 2018, 97, .	3.2	22
60	Large, thermally stabilized and fatigue-resistant piezoelectric strain response in textured relaxor-PbTiO₃ferroelectric ceramics. Journal of Materials Chemistry C, 2021, 9, 2008-2015.	5.5	22
61	Temperature dependent structures and properties of Bi_{0.5}Na_{0.5}TiO₃-based lead free piezoelectric composite. Dalton Transactions, 2016, 45, 10891-10896.	3.3	21
62	Formation Mechanism of (001) Oriented Perovskite SrTiO₃ Microplatelets Synthesized by Topochemical Microcrystal Conversion. Inorganic Chemistry, 2014, 53, 11060-11067.	4.0	18
63	ZnOâ€enhanced electrical properties of Bi_{0.5}Na_{0.5}TiO₃â€based incipient ferroelectrics. Journal of the American Ceramic Society, 2017, 100, 5659-5667.	3.8	18
64	Structural Evolving Sequence and Porous <scp><scp>Ba</scp></scp>₆<scp><scp>Zr</scp></scp>₂<scp><scp>Nb</scp></scp>₈<scp><s Ferroelectric Ceramics with Ultrahigh Breakdown Field and Zero Strain. Journal of the American Ceramic Society, 2013, 96, 555-560.	3.8	17
65	Strong correlation of the growth mode and electrical properties of BiCuSeO single crystals with growth temperature. CrystEngComm, 2015, 17, 6136-6141.	2.6	17
66	Compositionâ€Dependent Microstructures and Properties of Laâ€, Znâ€, and Crâ€Modified 0.675BiFeO₃â€“0.325BaTiO₃ Ceramics. Journal of the American Ceramic Society, 2016, 99, 2989-2994.	3.8	16
67	Electron-phonon scattering dominated electrical and magnetotransport properties in the quasi-two-dimensional Fermi liquid single-crystal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:mrow></mml:math>.	3.2	16
68	High temperature solution growth, chemical depotassiation and growth mechanism of KxRhO2 crystals. CrystEngComm, 2013, 15, 5050.	2.6	15
69	Quantitative control of Fe/Mo anti-site defect and its effects on the properties of Sr2FeMoO6. CrystEngComm, 2013, 15, 4601.	2.6	15
70	Structure and excellent visible light catalysis of Prussian blue analogues BiFe(CN)₆Â·4H₂O. Inorganic Chemistry Frontiers, 2018, 5, 438-445.	6.0	15
71	Tetragonal (Ba, Ca) (Zr, Ti)O3 textured ceramics with enhanced piezoelectric response and superior temperature stability. Journal of Materiomics, 2022, 8, 366-374.	5.7	15
72	Topochemical transformation of single crystalline SrTiO₃ microplatelets from Bi₄Ti₃O₁₂ precursors and their orientation-dependent surface piezoelectricity. CrystEngComm, 2018, 20, 3084-3095.	2.6	14

#	Article	IF	Citations
73	Electromechanical Response from LaAlO₃/SrTiO₃ Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 10146-10151.	8.0	13
74	Evolution of polar nano-regions under electric field around ferro-paraelectric transition temperature and its contribution to piezoelectric property in Pb(Mg1/3Nb2/3)O3-0.30PbTiO3 crystal. Ceramics International, 2018, 44, 18084-18089.	4.8	13
75	High pyroelectric performance due to ferroelectricâ€“antiferroelectric transition near room temperature. Journal of Materials Chemistry C, 2020, 8, 7820-7827.	5.5	13
76	Cu-modified Pb(Mg1/3Nb2/3)O3-PbZrO3-PbTiO3 textured ceramics with enhanced electromechanical properties and improved thermal stability. Journal of the European Ceramic Society, 2022, 42, 2743-2751.	5.7	13
77	Ultra-low thermal conductivities along c-axis of naturally misfit layered Bi2[AE]2Co2Oy (AE =) Tj ETQq1 1 0.784314 rgBT /Over	3.3	12
78	Structural and electrical properties of ZnOâ€modified (1â^'x)Pb(Mg_{1/3}Nb_{2/3})O₃â^'<scp>xPbTiO</scp>₃ ceramics with wide <scp>MPB</scp> regions. Journal of the American Ceramic Society, 2019, 102, 1866-1874.	3.8	12
79	Energy storage property of (Pb0.97La0.02)(Zr0.5Sn0.4Ti0.1)O3-(Na0.5Bi0.5)0.94Ba0.06TiO3 ceramics: Effects of antiferroelectric-relaxor transition and improved breakdown strength. Journal of the European Ceramic Society, 2020, 40, 2996-3002.	5.7	12
80	Microstructure and ferromagnetic property in CaRuO3 thin films with pseudoheterostructure. Applied Physics Letters, 2010, 96, .	3.3	11
81	Structural stability of layered n-LaFeO₃â€“Bi₄Ti₃O₁₂, BiFeO₃â€“Bi₄Ti₃O₁₂, and SrTiO₃â€“Bi₄Ti₃O₁₂ thin films. Journal of Materials	2.6	11
82	The Competitive and Combining Effects of Grain Boundary and <scp><scp>Fe</scp></scp>/<scp><scp>Mo</scp></scp> Antisite Defects on the Lowâ€Field Magnetoresistance in <scp><scp>Sr</scp></scp>₂<scp><scp>FeMoO</scp></scp>₆. Journal of the American Ceramic Society, 2014, 97, 1137-1142.	3.8	11
83	Lattice dynamics of KxRhO2 single crystals. AIP Advances, 2015, 5, .	1.3	11
84	Thermally stable energy storage properties in relaxor BNTâ€6BTâ€modified antiferroelectric PNZST ceramics. Journal of the American Ceramic Society, 2020, 103, 5769-5777.	3.8	11
85	Synthesis, structures and properties of single phase BiFeO3 and Bi2Fe4O9 powders by hydrothermal method. Journal of Materials Science: Materials in Electronics, 2015, 26, 6887-6891.	2.2	10
86	Improved Curie temperature, electromechanical properties and thermal stability in ZnO-modified 0.68Pb(Mg1/3Nb2/3)O3-0.32PbTiO3 ceramics with coexisting monoclinic and tetragonal phases. Journal of the European Ceramic Society, 2018, 38, 1456-1462.	5.7	10
87	Two-dimensional series connected photovoltaic cells defined by ferroelectric domains. Applied Physics Letters, 2020, 116, .	3.3	10
88	Phase Transition and Electrical Properties of <scp><scp>Ba</scp></scp>_{0.7}<scp><scp>Ca</scp></scp>_{0.3}<scp><scp>TiO</scp></scp>₃â€ Ceramics. Journal of the American Ceramic Society, 2012, 95, 3901-3905.	3.8	9
89	Domain structure and evolution in ZnOâ€modified Pb(Mg 1/3 Nb 2/3)O 3 â€“0.32PbTiO 3 ceramics. Journal of the American Ceramic Society, 2019, 102, 4874-4881.	3.8	9
90	Significant ferrimagnetisms observed in superlattice composed of antiferromagnetic LaFeO3 and YMnO3. Applied Physics Letters, 2013, 102, 042403.	3.3	8

#	Article	IF	Citations
91	Domain structures and piezoelectric properties of low-temperature sintered (Ba0.95Ca0.05)(Ti0.94Sn0.06)O3 ceramics with CuO additive. Materials Letters, 2016, 177, 128-131.	2.6	8
92	Morphotropic phase boundary and electric properties in (1Ââ˜'Âx)Bi0.5Na0.5TiO3â€"xBaSnO3 lead-free piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 4080-4084.	2.2	7
93	The relationship between anisotropic magnetoresistance and topology of Fermi surface in Td-MoTe2 crystal. Journal of Applied Physics, 2017, 122, .	2.5	7
94	Chemical strain-dependent two-dimensional transport at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mtext>AlO</mml:mtext><mml:mtext><</mml:mtext> interfaces <mml:math		

#	Article	IF	Citations
109	Transition in temperature scaling behaviors and super temperature stable polarization in BiScO 3 â€“PbZrO 3 â€“PbTiO 3 system. Journal of the American Ceramic Society, 2020, 103, 3691-3697.	3.8	4
110	In situ TEM observation on the ferroelectricâ€antiferroelectric transition in Pb(Nb,Zr,Sn,Ti)O₃/ZnO. Journal of the American Ceramic Society, 2022, 105, 794-800.	3.8	4
111	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al)13. Science China Materials, 2021, 64, 1238-1245.	6.3	4
112	High Energy Storage Performance in Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O₃â€ZnO Hybrid Perovskite Solid Solution Thin Films. Advanced Electronic Materials, 2022, 8, .	5.1	4
113	Room-Temperature Multiferroics and Thermal Conductivity of 0.85BiFe_{1â€“2x}Ti_xMg_xO₃â€“0.15CaTiO₃ Epitaxial Thin Films (x = 0.1 and 0.2). ACS Applied Materials & Interfaces, 2017, 9, 25397-25403.	8.0	3
114	The Microstructural Characterization of Multiferroic LaFeO3-YMnO3 Multilayers Grown on (001)- and (111)-SrTiO3 Substrates by Transmission Electron Microscopy. Materials, 2017, 10, 839.	2.9	3
115	Non-hydrostatic pressure-dependent structural and transport properties of BiCuSeO and BiCuSO single crystals. Journal of Physics Condensed Matter, 2021, 33, 105702.	1.8	3
116	Microstructure and magnetic properties of a novel 10-H hexagonal perovskite nanosheet in a Biâ€“Feâ€“Crâ€“O system. RSC Advances, 2012, 2, 5683.	3.6	2
117	Crossover from negative to positive magnetoresistance in Sr₂CrWO₆/Sr₂Fe_{10/9}Mo_{8/9}O₆ superlattices. Journal of Physics Condensed Matter, 2019, 31, 225001.	1.8	2
118	Phase transition, ferroelectric and piezoelectric properties of B-site complex cations (Fe0.5Nb0.5)4+-modified Ba0.70Ca0.30TiO3 ceramics. Ceramics International, 2020, 46, 9519-9529.	4.8	2
119	Microstructure, ferroelectric and piezoelectric properties of MnO2-modified Ba0.70Ca0.30TiO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 9352-9365.	2.2	2
120	Energy storage properties of (1-x)(Pb0.97La0.02)(Zr0.5Sn0.4Ti0.1)O3:xSnO2 composite ceramics. Journal of Alloys and Compounds, 2021, 873, 159768.	5.5	2
121	Relaxor-normal ferroelectric transition in (1â^’x)Sr0.75Ba0.25Nb2O6â€“xNaNbO3 ceramics. Applied Physics Letters, 2022, 120, .	3.3	2
122	Structural Distortion-Modulated Magnetic and Dielectric Properties in Nonstoichiometric Yb_{2â€“x}Ti₂O_{7â^’Î´} Pyrochlore. Inorganic Chemistry, 2022, 61, 10425-10434.	4.0	2
123	ELECTRIC PROPERTIES OF LAYERED PEROVSKITE Sr0.8A0.1Bi2.1Ta1.5Nb0.5O9 THIN FILMS (A = LA, PR). Integrated Ferroelectrics, 2006, 79, 187-193.	0.7	1
124	Magnetic and electrical transport properties of Pb1-xLaxTi1-xMnxO3 ceramics. AIP Advances, 2012, 2, .	1.3	1
125	Simultaneously enhanced ferroelectric and magnetic properties in 0.675BiFe1â^’x Cr x O3â€“0.325PbTiO3 (xÂ=Â0â€“0.05) ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 2435-2441.	2.2	1
126	Robust ferromagnetic insulating and large exchange bias in LaMnO3:CoO composite thin films. Journal Physics D: Applied Physics, 0, , .	2.8	1

#	Article	IF	Citations
127	Raman Spectra of Srm-3Bi4TimO3m+3 Thin Films. Materials Research Society Symposia Proceedings, 2003, 784, 3171.	0.1	0
128	Initial growth of Bi₄ LaTi₃ FeO₁₅ thin films on SrTiO₃, MgO and YSZ substrates. Crystal Research and Technology, 2012, 47, 663-670.	1.3	0
129	The microstructure and magnetic property of TiO₂â€terminated SrTiO₃ substrate selected growth cubic phase CaRuO₃ film. Crystal Research and Technology, 2013, 48, 546-554.	1.3	0
130	Copper foam sustained silica aerogel for high-efficiency acoustic absorption. AIP Advances, 2019, 9, 015209.	1.3	0
131	Enhanced relaxor behavior and thermal- and frequency-insensitive strain of (Na0.5Bi0.5)0.93Ba0.07Ti1â€‰â^'â€‰x(Mn1/3Nb2/3)xO3 ceramics. Journal of Applied Physics, 2020, 127, 194101.	2.5	0