

Jun Chen

List of Publications by Year in descending order

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342
papers

13,988
citations

29994

54
h-index

30010

103
g-index

348
all docs

348
docs citations

348
times ranked

11718
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2015, 27, 5343-5364.	11.1	915
2	FeSe ₂ Microspheres as a High-Performance Anode Material for Na-Ion Batteries. <i>Advanced Materials</i> , 2015, 27, 3305-3309.	11.1	581
3	Negative thermal expansion in functional materials: controllable thermal expansion by chemical modifications. <i>Chemical Society Reviews</i> , 2015, 44, 3522-3567.	18.7	527
4	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2015, 25, 214-220.	7.8	498
5	Urchin-Like CoSe ₂ as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 6728-6735.	7.8	471
6	All Organic Sodium-Ion Batteries with Na ₄ C ₈ H ₂ O ₆ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5892-5896.	7.2	363
7	MnFe ₂ O ₄ @C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. <i>Nano Letters</i> , 2016, 16, 3321-3328.	4.5	348
8	Template-Free Hydrothermal Synthesis of CeO ₂ Nano-octahedrons and Nanorods: Investigation of the Morphology Evolution. <i>Crystal Growth and Design</i> , 2008, 8, 1474-1477.	1.4	290
9	Semiconductor/relaxor 0/3 type composites without thermal depolarization in Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free piezoceramics. <i>Nature Communications</i> , 2015, 6, 6615.	5.8	263
10	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. <i>Nano Energy</i> , 2017, 35, 281-289.	8.2	247
11	Zero Thermal Expansion in PbTiO ₃ -Based Perovskites. <i>Journal of the American Chemical Society</i> , 2008, 130, 1144-1145.	6.6	183
12	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , 2018, 361, 494-497.	6.0	173
13	Giant energy-storage density with ultrahigh efficiency in lead-free relaxors via high-entropy design. <i>Nature Communications</i> , 2022, 13, .	5.8	157
14	Pseudo- δ -Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. <i>Advanced Functional Materials</i> , 2020, 30, 2004302.	7.8	149
15	The Role of Spontaneous Polarization in the Negative Thermal Expansion of Tetragonal PbTiO ₃ -Based Compounds. <i>Journal of the American Chemical Society</i> , 2011, 133, 11114-11117.	6.6	148
16	Zero Thermal Expansion and Ferromagnetism in Cubic Sc _{1-x} M _x F ₃ (M = Ga, Fe) over a Wide Temperature Range. <i>Journal of the American Chemical Society</i> , 2014, 136, 13566-13569.	6.6	144
17	A Novel NASICON-Type Na ₄ MnCr(PO ₄) ₃ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906348.	11.1	142
18	Rapid Synthesis of Multiferroic BiFeO ₃ Single-Crystalline Nanostructures. <i>Chemistry of Materials</i> , 2007, 19, 3598-3600.	3.2	141

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19	Controlled Synthesis of CeO ₂ Flower-Like and Well-Aligned Nanorod Hierarchical Architectures by a Phosphate-Assisted Hydrothermal Route. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19896-19900.	1.5	122
20	Hierarchical Engineering of Porous P ₂ Na _{2/3} Ni _{1/3} Mn _{2/3} O ₂ Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. <i>Advanced Functional Materials</i> , 2020, 30, 1907837.	7.8	117
21	New Insights into the Negative Thermal Expansion: Direct Experimental Evidence for the "Guitar-String" Effect in Cubic ScF ₃ . <i>Journal of the American Chemical Society</i> , 2016, 138, 8320-8323.	6.6	115
22	Stress-induced phase transition in lead-free relaxor ferroelectric composites. <i>Acta Materialia</i> , 2017, 136, 271-280.	3.8	111
23	A study into the extracted ion number for NASICON structured Na ₃ V ₂ (PO ₄) ₃ in sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17681-17687.	1.3	106
24	Negative thermal expansion in molecular materials. <i>Chemical Communications</i> , 2018, 54, 5164-5176.	2.2	104
25	Evidence for (Bi,Pb)O Covalency in the High-T _C Ferroelectric PbTiO ₃ BiFeO ₃ with Large Tetragonality. <i>Chemistry of Materials</i> , 2011, 23, 3135-3137.	3.2	102
26	Unusual Transformation from Strong Negative to Positive Thermal Expansion in $\text{PbTiO}_3 \text{BiFeO}_3$ Perovskite. <i>Physical Review Letters</i> , 2013, 110, 115901.	2.9	102
27	Structure and negative thermal expansion in the PbTiO ₃ BiFeO ₃ system. <i>Applied Physics Letters</i> , 2006, 89, 101914.	2.9	102
28	Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN) ₆ -based Prussian Blue Analogue Induced by Guest Species. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9023-9028.	7.2	101
29	Discovering Large Isotropic Negative Thermal Expansion in Framework Compound AgB(CN) ₄ via the Concept of Average Atomic Volume. <i>Journal of the American Chemical Society</i> , 2020, 142, 6935-6939.	6.6	97
30	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , 2017, 8, 14441.	5.8	95
31	Critical Role of Monoclinic Polarization Rotation in High-Performance Perovskite Piezoelectric Materials. <i>Physical Review Letters</i> , 2017, 119, 017601.	2.9	95
32	Wire Structure and Morphology Transformation of Niobium Oxide and Niobates by Molten Salt Synthesis. <i>Chemistry of Materials</i> , 2009, 21, 1207-1213.	3.2	91
33	Effectively control negative thermal expansion of single-phase ferroelectrics of PbTiO ₃ -(Bi,Lu)FeO ₃ over a giant range. <i>Scientific Reports</i> , 2013, 3, 2458.	1.6	91
34	Atomic Linkage Flexibility Tuned Isotropic Negative, Zero, and Positive Thermal Expansion in MZrF ₆ (M = Ca, Mn, Fe, Co, Ni, and Zn). <i>Journal of the American Chemical Society</i> , 2016, 138, 14530-14533.	6.6	89
35	Bismuth oxychloride hollow microspheres with high visible light photocatalytic activity. <i>Nano Research</i> , 2016, 9, 593-601.	5.8	88

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37	Domain wall and interphase boundary motion in a two-phase morphotropic phase boundary ferroelectric: Frequency dispersion and contribution to piezoelectric and dielectric properties. <i>Physical Review B</i> , 2012, 86, .	1.1	87
38	Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe) ₂ Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , 2018, 140, 602-605.	6.6	87
39	Enhanced Temperature Stability and Defect Mechanism of BNT-Based Lead-Free Piezoceramics Investigated by a Quenching Process. <i>Advanced Electronic Materials</i> , 2019, 5, 1800756.	2.6	85
40	Temperature Dependence of the Piezoelectric Coefficient in (BiMeO) ₃ (Me = Fe, Sc), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (Ceramic Society, 2012, 95, 711-715.	10.617	84
41	Role of Reversible Phase Transformation for Strong Piezoelectric Performance at the Morphotropic Phase Boundary. <i>Physical Review Letters</i> , 2018, 120, 055501.	2.9	84
42	Temperature dependence of piezoelectric properties of high-TC Bi(Mg _{1/2} Ti _{1/2})O ₃ -PbTiO ₃ . <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	83
43	Dual Strategy of Cation Doping and Nanoengineering Enables Fast and Stable Sodium Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. <i>Advanced Science</i> , 2020, 7, 2002199.	5.6	83
44	Outstanding Energy Storage Performance in High Hardness (Bi _{0.5} K _{0.5})TiO ₃ -Based Lead-Free Relaxors via Multi-Scale Synergistic Design. <i>Advanced Functional Materials</i> , 2022, 32, 2110478.	7.8	83
45	Understanding the superior sodium-ion storage in a novel Na _{3.5} Mn _{0.5} V _{1.5} (PO ₄) ₃ cathode. <i>Energy Storage Materials</i> , 2019, 23, 25-34.	9.5	81
46	Thermal Expansion, Ferroelectric and Magnetic Properties in (1-x)PbTiO ₃ the American Chemical Society, 2010, 132, 1925-1928.	6.6	79
47	Solid solution Pb _{1-x} Sr _x TiO ₃ and its thermal expansion. <i>Journal of Alloys and Compounds</i> , 2003, 360, 286-289.	2.8	72
48	TEM study of phases and domains in NaNbO ₃ at room temperature. <i>Physica Status Solidi A</i> , 1988, 109, 171-185.	1.7	68
49	Hydrothermal Synthesis of Single Crystalline (K,Na)NbO ₃ Powders. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1884-1888.	1.0	66
50	Topochemical molten salt synthesis for functional perovskite compounds. <i>Chemical Science</i> , 2016, 7, 855-865.	3.7	65
51	Enhanced piezoelectric and ferroelectric properties in the BaZrO ₃ substituted BiFeO ₃ -PbTiO ₃ . <i>Applied Physics Letters</i> , 2013, 102, .	1.5	64
52	Negative thermal expansion in magnetic materials. <i>Progress in Materials Science</i> , 2021, 121, 100835.	16.0	62
53	Strong Negative Thermal Expansion in a Low-Cost and Facile Oxide of Cu ₂ P ₂ O ₇ . <i>Journal of the American Chemical Society</i> , 2020, 142, 3088-3093.	6.6	59
54	Negative thermal expansion in framework structure materials. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214204.	9.5	59

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55	Phase Evolution in Low-Dimensional Niobium Oxide Synthesized by a Topochemical Method. <i>Inorganic Chemistry</i> , 2010, 49, 1397-1403.	1.9	56
56	Large Photovoltage and Controllable Photovoltaic Effect in $\text{PbTiO}_3/\text{Bi}(\text{Ni}_{2/3+\text{x}}\text{Nb}_{1/3-\text{x}}\text{O}_3)_{1-x}$ Ferroelectrics. <i>Advanced Electronic Materials</i> , 2015, 1, 1400051.	2.4	56
57	Colossal Volume Contraction in Strong Polar Perovskites of $\text{Pb}(\text{Ti},\text{V})\text{O}_3$. <i>Journal of the American Chemical Society</i> , 2017, 139, 14865-14868.	6.6	55
58	BiScO_3 Doped $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2009, 92, 130-132.	1.9	54
59	Raman study of BiFeO_3 with different excitation wavelengths. <i>Physica B: Condensed Matter</i> , 2009, 404, 171-174.	1.3	54
60	Enhanced Piezoelectric Properties and Thermal Stability in the $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3:\text{ZnO}$ Lead-Free Piezoelectric Composites. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3935-3941.	1.9	52
61	High-electromechanical performance for high-power piezoelectric applications: Fundamental, progress, and perspective. <i>Progress in Materials Science</i> , 2022, 127, 100944.	16.0	52
62	Chemical Diversity for Tailoring Negative Thermal Expansion. <i>Chemical Reviews</i> , 2022, 122, 8438-8486.	23.0	51
63	Thermal Expansion Properties of Lanthanum-Substituted Lead Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1356-1358.	1.9	49
64	Experimental visualization of the Bi-O covalency in ferroelectric bismuth ferrite (BiFeO_3) by synchrotron X-ray powder diffraction analysis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6779.	1.3	49
65	Deaging and Asymmetric Energy Landscapes in Electrically Biased Ferroelectrics. <i>Physical Review Letters</i> , 2012, 108, 177601.	2.9	48
66	Charge transfer drives anomalous phase transition in ceria. <i>Nature Communications</i> , 2018, 9, 5063.	5.8	48
67	Niobium pentoxide hollow nanospheres with enhanced visible light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11894.	5.2	46
68	Localized Symmetry Breaking for Tuning Thermal Expansion in ScF_3 Nanoscale Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 4477-4480.	6.6	44
69	Large resistive switching and switchable photovoltaic response in ferroelectric doped BiFeO_3 -based thin films by chemical solution deposition. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4706-4712.	2.7	43
70	Phase Transformation and Negative Thermal Expansion in TaVO_5 . <i>Inorganic Chemistry</i> , 2011, 50, 2685-2690.	1.9	42
71	$\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3:\text{ZnO}$ lead-free piezoelectric composites with deferred thermal depolarization. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	41
72	Large electrostrain and structural evolution in $(1-x)[0.94\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3-0.06\text{BaTiO}_3]-x\text{AgNbO}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 994-1001.	2.8	41

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73	A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. <i>Science China Chemistry</i> , 2021, 64, 385-402.	4.2	40
74	Urchin-like Fe ₃ Se ₄ Hierarchitectures: A Novel Pseudocapacitive Sodium Ion Storage Anode with Prominent Rate and Cycling Properties. <i>Small</i> , 2020, 16, e2000504.	5.2	39
75	Effects of Li Substitution on the Structure and Ferroelectricity of (Na,K)NbO ₃ . <i>Journal of the American Ceramic Society</i> , 2009, 92, 3033-3036.	1.9	38
76	A New Insight into Cross-Sensitivity to Humidity of SnO ₂ Sensor. <i>Small</i> , 2018, 14, e1703974.	5.2	38
77	Structure and enhancement of negative thermal expansion in the PbTiO ₃ -CdTiO ₃ system. <i>Applied Physics Letters</i> , 2005, 87, 231915.	1.5	37
78	High piezoelectric performance in a new Bi-based perovskite of (1-x)Bi(Ni _{1/2} Hf _{1/2})O ₃ -xPbTiO ₃ . <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	37
79	Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb ₅ O ₁₅ . <i>Journal of the American Chemical Society</i> , 2015, 137, 13468-13471.	6.6	37
80	Twin Crystal Induced near Zero Thermal Expansion in SnO ₂ Nanowires. <i>Journal of the American Chemical Society</i> , 2018, 140, 7403-7406.	6.6	37
81	Chemical-Pressure-Modulated BaTiO ₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , 2021, 143, 6491-6497.	6.6	37
82	Structural Evidence for Strong Coupling between Polarization Rotation and Lattice Strain in Monoclinic Relaxor Ferroelectrics. <i>Chemistry of Materials</i> , 2017, 29, 5767-5771.	3.2	36
83	Electric-field-induced structure and domain texture evolution in PbZrO ₃ -based antiferroelectric by in-situ high-energy synchrotron X-ray diffraction. <i>Acta Materialia</i> , 2020, 184, 41-49.	3.8	36
84	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO ₃ . <i>Journal of the American Chemical Society</i> , 2020, 142, 5731-5741.	6.6	35
85	High spontaneous polarization in PbTiO ₃ -BiMeO ₃ systems with enhanced tetragonality. <i>Applied Physics Letters</i> , 2007, 91, 171907.	1.5	34
86	Zero thermal expansion in (1-x)PbTiO ₃ -xBi(Mg,Ti) _{1/2} O ₃ piezoceramics. <i>Journal of Materials Chemistry</i> , 2009, 19, 1648.	6.7	34
87	PbTiO ₃ -based perovskite ferroelectric and multiferroic thin films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17493-17515.	1.3	34
88	Local Chemical Ordering and Negative Thermal Expansion in PtNi Alloy Nanoparticles. <i>Nano Letters</i> , 2017, 17, 7892-7896.	4.5	34
89	3D negative thermal expansion in orthorhombic MIL-68(In). <i>Chemical Communications</i> , 2018, 54, 5712-5715.	2.2	34
90	Negative thermal expansion in (Sc,Ti)Fe ₂ induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , 2020, 7, 275-281.	6.4	34

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91	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. <i>Materials Horizons</i> , 2020, 7, 1912-1918.	6.4	34
92	Unveiling the Complementary Manganese and Oxygen Redox Chemistry for Stabilizing the Sodium Ion Storage Behaviors of Layered Oxide Cathodes. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	34
93	Preparation and Electric Properties of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_{3-x}\text{Pb}_x$ Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1171-1175.	3.3	33
94	Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting $\text{K}_2\text{TiF}_6\text{:Mn}^{4+}$ for White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20143-20149.	4.0	33
95	Strong Second Harmonic Generation in a Tungsten Bronze Oxide by Enhancing Local Structural Distortion. <i>Journal of the American Chemical Society</i> , 2020, 142, 7480-7486.	6.6	33
96	High pressure Raman investigations of multiferroic BiFeO_3 . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 385901.	0.7	32
97	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived $\text{Pb}_{0.8}\text{Co}_{0.2}\text{TiO}_3$ thin films. <i>Dalton Transactions</i> , 2013, 42, 10358.	1.6	32
98	Low-Frequency Phonon Driven Negative Thermal Expansion in Cubic $\text{GaFe}(\text{CN})_6$ Prussian Blue Analogues. <i>Inorganic Chemistry</i> , 2018, 57, 10918-10924.	1.9	32
99	Negative thermal expansion in cubic $\text{FeFe}(\text{CN})_6$ Prussian blue analogues. <i>Dalton Transactions</i> , 2019, 48, 3658-3663.	1.6	32
100	Large isotropic negative thermal expansion in water-free Prussian blue analogues of $\text{ScCo}(\text{CN})_6$. <i>Scripta Materialia</i> , 2020, 187, 119-124.	2.6	32
101	Simultaneously enhancing piezoelectric performance and thermal depolarization in lead-free $(\text{Bi},\text{Na})\text{TiO}_3\text{-BaTiO}_3$ via introducing oxygen-defect perovskites. <i>Acta Materialia</i> , 2021, 208, 116711.	3.8	32
102	Manipulating Stable Layered P_2AT -Type Cathode via a Co^{2+} Substitution Strategy for High Performance Sodium Ion Batteries. <i>Small Methods</i> , 2022, 6, e2101292.	4.6	32
103	Effect of Ba and Pb dual doping on the thermoelectric properties of BiCuSeO ceramics. <i>Materials Letters</i> , 2018, 217, 189-193.	1.3	31
104	Enhanced thermoelectric performances in BiCuSeO oxyselenides via Er and 3D modulation doping. <i>Ceramics International</i> , 2019, 45, 4493-4498.	2.3	30
105	Large Piezoelectric Response and Polarization in Relaxor Ferroelectric $\text{PbTiO}_3\text{-Bi}(\text{Ni}_{1/2}\text{Sb}_{1/2})\text{TiO}_3$. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1035-1038.	3.2	29
106	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO_3 -Based Perovskites. <i>Chemistry of Materials</i> , 2019, 31, 1296-1303.	3.2	29
107	Preparation, Structure, and enhanced thermoelectric properties of Sm-doped BiCuSeO oxyselenide. <i>Materials and Design</i> , 2020, 185, 108263.	3.3	29
108	Structure and thermal expansion of the tungsten bronze $\text{Pb}_2\text{KNb}_5\text{O}_{15}$. <i>Dalton Transactions</i> , 2014, 43, 7037-7043.	1.6	28

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109	Lattice dynamics and anharmonicity of CaZrF ₆ from Raman spectroscopy and ab initio calculations. Materials Chemistry and Physics, 2016, 180, 213-218.	2.0	28
110	Tunable Thermal Expansion from Negative, Zero, to Positive in Cubic Prussian Blue Analogues of GaFe(CN) ₆ . Inorganic Chemistry, 2018, 57, 14027-14030.	1.9	28
111	Realizing isotropic negative thermal expansion covering room temperature by breaking the superstructure of ZrV ₂ O ₇ . Applied Physics Letters, 2020, 116, .	1.5	28
112	Strong Room-Temperature Ferroelectricity in Strained SrTiO ₃ Homoepitaxial Film. Advanced Materials, 2021, 33, e2008316.	11.1	28
113	Facile alcohothermal synthesis of large-scale ceria nanowires with organic surfactant assistance. Physica B: Condensed Matter, 2007, 390, 59-64.	1.3	27
114	Origin of high piezoelectric activity in perovskite ferroelectric ceramics. Applied Physics Letters, 2014, 104, .	1.5	27
115	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe ₂ Alloys. Chemistry of Materials, 2017, 29, 7078-7082.	3.2	27
116	Complex phase transitions and associated electrocaloric effects in different oriented PMN-30PT single crystals under multi-fields of electric field and temperature. Acta Materialia, 2020, 182, 250-256.	3.8	27
117	Effect of H ₂ O Molecules on Thermal Expansion of TiCo(CN) ₆ . Inorganic Chemistry, 2020, 59, 14852-14855.	1.9	27
118	Ultrawide Temperature Range Super-Invar Behavior of $R_{2}FeCo$		

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127	Chemical pressure in functional materials. <i>Chemical Society Reviews</i> , 2022, 51, 5351-5364.	18.7	25
128	Enhanced piezoelectric and antiferroelectric properties of high-TC perovskite of Zr-substituted $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-PbTiO}_3$. <i>Journal of Applied Physics</i> , 2012, 112, 074101.	1.1	24
129	Extensive domain wall motion and deaging resistance in morphotropic $0.55\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}0.45\text{PbTiO}_3$ polycrystalline ferroelectrics. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	24
130	Plastic and low-cost axial zero thermal expansion alloy by a natural dual-phase composite. <i>Nature Communications</i> , 2021, 12, 4701.	5.8	24
131	Leaching of zinc from calcined smithsonite using sodium hydroxide. <i>Hydrometallurgy</i> , 2013, 131-132, 89-92.	1.8	23
132	Hydration and Thermal Expansion in Anatase Nanoparticles. <i>Advanced Materials</i> , 2016, 28, 6894-6899.	11.1	23
133	Structure and Phase Transformation in the Giant Magnetostriction Laves-Phase SmFe_2 . <i>Inorganic Chemistry</i> , 2018, 57, 689-694.	1.9	23
134	Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of Mn_3A (A = Ge and Sn). <i>Chemistry of Materials</i> , 2018, 30, 6236-6241.	3.2	23
135	Enhanced thermoelectric properties in BiCuSeO ceramics by Pb/Ni dual doping and 3D modulation doping. <i>Journal of Solid State Chemistry</i> , 2019, 271, 1-7.	1.4	23
136	Coprecipitation synthesis and negative thermal expansion of NbVO_5 . <i>Dalton Transactions</i> , 2011, 40, 3394.	1.6	22
137	Tunable thermal expansion and magnetism in Zr-doped ScF_3 . <i>Applied Physics Letters</i> , 2016, 109, .	1.5	22
138	Large negative thermal expansion in non-perovskite lead-free ferroelectric $\text{Sn}_2\text{P}_2\text{S}_6$. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6247-6251.	1.3	22
139	Tetragonal phase and enhanced depolarization temperature in Ba-rich $(\text{Bi},\text{Na})\text{TiO}_3\text{-BaTiO}_3$ lead-free piezoelectrics. <i>Ceramics International</i> , 2020, 46, 3708-3714.	2.3	22
140	Growth of hematite nanowire arrays during dense pentlandite oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3008.	5.2	21
141	Flexible polarization configuration in high-entropy piezoelectrics with high performance. <i>Acta Materialia</i> , 2022, 236, 118115.	3.8	21
142	Microstructural characterization of sol-gel derived $\text{Pb}_{1-x}\text{La}_x\text{TiO}_3$ ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2005, 388, 308-313.	2.8	20
143	Structure, piezoelectric, and ferroelectric properties of BaZrO_3 substituted $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-PbTiO}_3$ perovskite. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	20
144	Structure, phase transition and negative thermal expansion in ammoniated ZrW_2O_8 . <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 856-860.	3.0	20

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145	Atomic-level structural correlations across the morphotropic phase boundary of a ferroelectric solid solution: $x\text{BiMg}_{1/2}\text{Ti}_{1/2}\text{O}_3-(1-x)\text{PbTiO}_3$. <i>Scientific Reports</i> , 2017, 7, 471.	1.6	20
146	Negative Pressure-Induced Large Polarization in Nanosized PbTiO_3 . <i>Advanced Materials</i> , 2020, 32, e2002968.	11.1	20
147	High performance and low thermal expansion in Er-Fe-V-Mo dual-phase alloys. <i>Acta Materialia</i> , 2020, 198, 271-280.	3.8	20
148	Crystallographic and Raman spectroscopic studies of microwave dielectric ceramics $\text{Ba}(\text{Ca}_{1/3}\text{Nb}_{2/3})\text{O}_3$. <i>Journal of Alloys and Compounds</i> , 2009, 472, 502-506.	2.8	19
149	Structural evidence for the nonmonotonic trend of TC in tetragonal PbTiO_3 - BiScO_3 solid solutions. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	19
150	Preparation and Electric Properties of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ - PbTiO_3 Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3793-3797.	1.9	19
151	Rapid Molten Salt Synthesis of Isotropic Negative Thermal Expansion ScF_3 . <i>Journal of the American Ceramic Society</i> , 2014, 97, 1009-1011.	1.9	19
152	Enhanced Piezoelectric Properties of Tetragonal $(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ Lead-Free Ceramics by Substitution of Pure Bi-Based $\text{Bi}(\text{Mg}_{2/3}\text{Nb}_{1/3})\text{O}_3$. <i>Journal of the American Ceramic Society</i> , 2015, 98, 104-108.	1.9	19
153	Effect of synthesis processes on the thermoelectric properties of BiCuSeO oxyselenides. <i>Journal of Alloys and Compounds</i> , 2018, 754, 131-138.	2.8	19
154	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo_2 -Based Intermetallic Compounds (R = Rare Earth). <i>Inorganic Chemistry</i> , 2019, 58, 5401-5405.	1.9	19
155	Characterization and high piezoelectric performance of $\text{Pb}(\text{Fe}_{1/2}\text{Nb}_{1/2})\text{O}_3$ - $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3$ ternary ceramics. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3070-3076.	1.9	19
156	Negative and zero thermal expansion in $(\text{Cu}_{2-x}\text{Zn}_x)\text{VO}_7$ solid solutions. <i>Chemical Communications</i> , 2020, 56, 10666-10669.	2.2	19
157	Transforming Thermal Expansion from Positive to Negative: The Case of Cubic Magnetic Compounds of $(\text{Zr,Nb})\text{Fe}_2$. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1954-1961.	2.1	19
158	Strong Negative Thermal Expansion of Cu_2PVO_7 in a Wide Temperature Range. <i>Chemistry of Materials</i> , 2021, 33, 1321-1329.	3.2	19
159	The role of average atomic volume in predicting negative thermal expansion: The case of $\text{REFe}(\text{CN})_6$. <i>Science China Materials</i> , 2022, 65, 553-557.	3.5	19
160	Low-temperature synthesis and characterization of $(\text{Zn,Ni})\text{TiO}_3$ ceramics by a modified sol-gel route. <i>Journal of Alloys and Compounds</i> , 2006, 420, 317-321.	2.8	18
161	Effect of BiScO_3 and LiNbO_3 on the Piezoelectric Properties of $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1853-1855.	1.9	18
162	Preparation and Electrical Properties of High-TC Piezoelectric Ceramics of Strontium-Substituted $\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3$ - PbTiO_3 . <i>Journal of the American Ceramic Society</i> , 2012, 95, 1170-1173.	1.9	18

#	ARTICLE	IF	CITATIONS
163	Multiferroic properties and enhanced magnetoelectric coupling in $(1-x)\text{PbTiO}_3-x\text{NdFeO}_3$. <i>Solid State Sciences</i> , 2013, 15, 91-94.	1.5	18
164	Both electric field and temperature independent behavior of piezoelectric property of $\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$. <i>Materials Research Bulletin</i> , 2015, 61, 448-452.	2.7	18
165	High-Dielectric-Permittivity Layered Nitride CaTiN_2 . <i>Chemistry of Materials</i> , 2017, 29, 1989-1993.	3.2	18
166	Extrinsic contributions to piezoelectric Rayleigh behavior in morphotropic PbTiO_3 - BiScO_3 . <i>Acta Materialia</i> , 2017, 137, 45-53.	3.8	18
167	Favorable Concurrence of Static and Dynamic Phenomena at the Morphotropic Phase Boundary of $x\text{BiNi}_0.5\text{Zr}_0.5\text{O}_3-x\text{PbTiO}_3$. <i>Physical Review Letters</i> , 2017, 119, 207604.	2.9	18
168	Enhanced Visible Photocatalytic Hydrogen Evolution of KN-Based Semiconducting Ferroelectrics via Band-Gap Engineering and High-Field Poling. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8916-8930.	4.0	18
169	Visible-light photocatalytic hydrogen production in a narrow-bandgap semiconducting La/Ni-modified KNbO_3 ferroelectric and further enhancement via high-field poling. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7238-7250.	5.2	18
170	Topochemical Synthesis of Micron-Platelet $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ Particles. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2186-2190.	1.0	17
171	Structure and negative thermal expansion of $\text{Pb}_{1-x}\text{Bi}_x\text{TiO}_3$. <i>Materials Letters</i> , 2008, 62, 4585-4587.	1.3	17
172	A Simple Oxidation Route to Prepare Pseudobrookite from Panzhihua Raw Ilmenite. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2968-2971.	1.9	17
173	Ferroelectric and ferromagnetic properties of $\text{Pb}(\text{Ti}_{0.8}\text{Fe}_{0.2})\text{O}_3$ thin film. <i>Dalton Transactions</i> , 2010, 39, 9952.	1.6	17
174	First-principles study on negative thermal expansion of PbTiO_3 . <i>Applied Physics Letters</i> , 2013, 103, .	1.5	17
175	Large remanent polarization and small leakage in sol-gel derived $\text{Bi}(\text{Zn}_{1/2}\text{Zr}_{1/2})\text{O}_3-x\text{PbTiO}_3$ ferroelectric thin films. <i>Dalton Transactions</i> , 2013, 42, 585-590.	1.6	17
176	Large remanent polarization in multiferroic NdFeO_3 - PbTiO_3 thin film. <i>Applied Physics Letters</i> , 2013, 103, 082904.	1.5	17
177	The electrowinning of zinc from sodium hydroxide solutions. <i>Hydrometallurgy</i> , 2014, 146, 59-63.	1.8	17
178	Zero thermal expansion in cubic MgZrF_6 . <i>Journal of the American Ceramic Society</i> , 2017, 100, 5385-5388.	1.9	17
179	The effect of Ni/Sn doping on the thermoelectric properties of BiSbTe polycrystalline bulks. <i>Journal of Solid State Chemistry</i> , 2019, 277, 175-181.	1.4	17
180	Artificial porous structure: An effective method to improve thermoelectric performance of Bi_2Te_3 based alloys. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121060.	1.4	17

#	ARTICLE	IF	CITATIONS
181	Achieving High Performances of Ultra-Low Thermal Expansion and High Thermal Conductivity in $0.5\text{PbTiO}_3\text{-}0.5(\text{Bi}_{0.9}\text{La}_{0.1})\text{FeO}_3$ @Cu Core-Shell Composite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57228-57234.	4.0	17
182	Anharmonicity and scissoring modes in the negative thermal expansion materials ScF_3 and CaZrF_6 . <i>Physical Review B</i> , 2020, 101, .	1.1	17
183	Complicated magnetic structure and its strong correlation with the anomalous Hall effect in Mn_3Sb_2 . <i>Physical Review B</i> , 2020, 101, .	1.1	17
184	Defect engineering in rare-earth-doped BaTiO_3 ceramics: Route to high-temperature stability of colossal permittivity. <i>Journal of the American Ceramic Society</i> , 2022, 105, 5725-5737.	1.9	17
185	BiFeO_3 -doped $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ lead-free piezoelectric ceramics. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 025004.	2.8	16
186	Temperature dependences of the ferroelectric and dielectric properties of high curie temperature $\text{PbTiO}_3\text{-BiScO}_3\text{-Bi}(\text{Zn}_{1/2}\text{Zr}_{1/2})\text{O}_3$. <i>Materials Research Bulletin</i> , 2013, 48, 2006-2009.	2.7	16
187	Lattice distortion and orbital hybridization in $\text{NdFeO}_3\text{-PbTiO}_3$ ferroelectric thin films. <i>Dalton Transactions</i> , 2016, 45, 1554-1559.	1.6	16
188	Isotropic Zero Thermal Expansion and Local Vibrational Dynamics in $(\text{Sc,Fe})\text{F}_3$. <i>Inorganic Chemistry</i> , 2017, 56, 10840-10843.	1.9	16
189	Spring-like motion caused large anisotropic thermal expansion in nonporous $\text{M}(\text{eim})_2$ ($\text{M} = \text{Tj, ET, Qq}$). <i>Journal of Applied Physics</i> , 2016, 119, 104301.	1.3	16
190	Structural Correlation to Piezoelectric and Ferroelectric Mechanisms in Rhombohedral $\text{Pb}(\text{Zr,Ti})\text{O}_3$ Ceramics by in-Situ Synchrotron Diffraction. <i>Inorganic Chemistry</i> , 2018, 57, 3002-3007.	1.9	16
191	Enhanced thermoelectric performance in BiCuSeO oxyselenides via Ba/Te dual-site substitution and 3D modulation doping. <i>Journal of Solid State Chemistry</i> , 2018, 266, 297-303.	1.4	16
192	Magnetic-Field-Induced Strong Negative Thermal Expansion in $\text{La}(\text{Fe,Al})_{13}$. <i>Chemistry of Materials</i> , 2020, 32, 7535-7541.	3.2	16
193	Synthesis and characterization of $(\text{Zn, Mn})\text{TiO}_3$ by modified sol-gel route. <i>Journal of Alloys and Compounds</i> , 2008, 456, 353-357.	2.8	15
194	Controllable negative thermal expansion, ferroelectric and semiconducting properties in $\text{PbTiO}_3\text{-Bi}(\text{Co}_{2/3}\text{Nb}_{1/3})\text{O}_3$ solid solutions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 931-936.	2.7	15
195	Large spontaneous polarization in polar perovskites of $\text{PbTiO}_3\text{-Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1277-1281.	3.0	15
196	Structure and excellent visible light catalysis of Prussian blue analogues $\text{BiFe}(\text{CN})_6\cdot 4\text{H}_2\text{O}$. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 438-445.	3.0	15
197	Controllable thermal expansion and magnetic structure in $\text{Er}_{2}(\text{Fe,Co})_{14}\text{B}$ intermetallic compounds. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3225-3229.	3.0	15
198	Melting of dxy Orbital Ordering Accompanied by Suppression of Giant Tetragonal Distortion and Insulator-to-Metal Transition in Cr-Substituted PbVO_3 . <i>Chemistry of Materials</i> , 2019, 31, 1352-1358.	3.2	15

#	ARTICLE	IF	CITATIONS
199	Facile Synthesis of Dicalike Cobalt Squarate Cages through a Spontaneous Dissolution-Regrowth Process. <i>Chemistry of Materials</i> , 2020, 32, 6765-6771.	3.2	15
200	Molecular Packing-Dependent Thermal Expansion Behaviors in Metal Squarate Frameworks. <i>Chemistry of Materials</i> , 2020, 32, 2893-2898.	3.2	15
201	Superconductivity in Co-Layered LaCoSi. <i>Inorganic Chemistry</i> , 2021, 60, 6157-6161.	1.9	15
202	Influence of Phase Transitions on Electrostrictive and Piezoelectric Characteristics in PMN-30PT Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38467-38476.	4.0	15
203	Design of zero thermal expansion and high thermal conductivity in machinable xLFCS/Cu metal matrix composites. <i>Composites Part B: Engineering</i> , 2022, 238, 109883.	5.9	15
204	Achieving Ultrahigh Photocurrent Density of Mg/Mn-Modified KNbO ₃ Ferroelectric Semiconductors by Bandgap Engineering and Polarization Maintenance. <i>Chemistry of Materials</i> , 2022, 34, 4274-4285.	3.2	15
205	Structural investigations on ferroelectric Pb _{1-x/2} La _x TiO ₃ using the x-ray Rietveld method. <i>Journal of Materials Research</i> , 2004, 19, 3614-3619.	1.2	14
206	Thermal expansions of ceramics in the system Pb _{1-x} (La _{1/2} K _{1/2}) _x TiO ₃ . <i>Journal of Alloys and Compounds</i> , 2004, 372, 259-266.	2.8	14
207	Negative thermal expansion in the PbTi _{1-x} Fe _x O ₃ system. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2520-2523.	0.7	14
208	Oxidation Behavior and Mechanism of Pentlandite at 973 K (700 °C) in Air. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 494-502.	1.0	14
209	Phase transition and negative thermal expansion in orthorhombic Dy ₂ W ₃ O ₁₂ . <i>RSC Advances</i> , 2016, 6, 96275-96280.	1.7	14
210	The Distortion-Adjusted Change of Thermal Expansion Behavior of Cubic Magnetic Semiconductor (Sc) Tj ETQq0 0.0 rgBT /Qyerlock 10	1.9	14
211	Giant Polarization and High Temperature Monoclinic Phase in a Lead-Free Perovskite of Bi(Zn _{0.5} Ti _{0.5})O ₃ -BiFeO ₃ . <i>Inorganic Chemistry</i> , 2016, 55, 9513-9516.	1.9	14
212	Growth, microstructure, energy storage and dielectric performances of chemical solution NBT-based thin films: Effect of sodium nonstoichiometry. <i>Ceramics International</i> , 2018, 44, 9152-9158.	2.3	14
213	Negative Thermal Expansion in Nanosolids. <i>Accounts of Chemical Research</i> , 2019, 52, 2694-2702.	7.6	14
214	Pronounced Negative Thermal Expansion in Lead-Free BiCoO ₃ -Based Ferroelectrics Triggered by the Stabilized Perovskite Structure. <i>Chemistry of Materials</i> , 2019, 31, 6187-6192.	3.2	14
215	Negative Thermal Expansion in (Hf,Ti)Fe ₂ Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. <i>Inorganic Chemistry</i> , 2019, 58, 5380-5383.	1.9	14
216	Ferroelectric and piezoelectric properties of 0.82(Bi _{0.5} Na _{0.5})TiO ₃ -(0.18-x)BaTiO ₃ -x(Bi _{0.5} Na _{0.5})(Mn _{1/3} Nb _{2/3})O ₃ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 774, 948-953.	2.8	14

#	ARTICLE	IF	CITATIONS
235	Inorganic-organic hybridization induced uniaxial zero thermal expansion in MC_4O_4 (M = Ba, Pb). <i>Chemical Communications</i> , 2019, 55, 4107-4110.	2.2	12
236	Boosted piezoelectricity with excellent thermal stability in tetragonal NaNbO_3 -based ceramics. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2367-2374.	5.2	12
237	Magnetic enhancement and low thermal expansion of $(1-x)y\text{PbTiO}_3-x\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3-y\text{BiFeO}_3$. <i>Journal of Materials Chemistry</i> , 2011, 21, 16205.	6.7	11
238	(Pb,Cd)-O covalency in PbTiO_3 - CdTiO_3 with enhanced negative thermal expansion. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5237.	1.3	11
239	Domain wall and interphase boundary motion in $(1-x)\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3-x\text{PbTiO}_3$ near the morphotropic phase boundary. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	11
240	Thermal stability of <i>n</i> -type zone-melting $\text{Bi}_2(\text{Te, Se})_3$ alloys for thermoelectric generation. <i>Materials Research Express</i> , 2019, 6, 035907.	0.8	11
241	Controllable Ferromagnetism in Super-tetragonal PbTiO_3 through Strain Engineering. <i>Nano Letters</i> , 2020, 20, 881-886.	4.5	11
242	Role of tetragonal distortion on domain switching and lattice strain of piezoelectrics by in-situ synchrotron diffraction. <i>Scripta Materialia</i> , 2021, 194, 113627.	2.6	11
243	Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free $\text{Na}_{1/2}\text{Bi}_{1/2}\text{V}_{1-x}\text{Ti}_x\text{O}_3$ Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5208-5215.	4.0	11
244	Nanodomain patterns in ultra-tetragonal lead titanate (PbTiO_3). <i>Applied Physics Letters</i> , 2020, 116, .	1.5	11
245	Mitigating the Jahn-Teller distortion driven by the spin-orbit coupling of lithium manganate cathode. <i>Journal of Energy Chemistry</i> , 2022, 72, 379-387.	7.1	11
246	Large-scale Synthesis of Isotropic Single-Crystalline ScF_3 Cubes by Hydrothermal Method. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1386-1388.	1.9	10
247	High piezoelectric performance and temperature dependence of ferroelectric and piezoelectric properties of $\text{Bi}(\text{Mg}_{0.5}\text{Zr}_{0.5})\text{O}_3$ - PbTiO_3 near morphotropic phase boundary. <i>Ceramics International</i> , 2014, 40, 7723-7728.	2.3	10
248	Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze $\text{Pb}_2\text{AgNb}_5\text{O}_{15}$. <i>Inorganic Chemistry</i> , 2016, 55, 2864-2869.	1.9	10
249	Local Chemical Strain in PtFe Alloy Nanoparticles. <i>Inorganic Chemistry</i> , 2018, 57, 10494-10497.	1.9	10
250	Multiple contributions to electrostrain in high performance PbTiO_3 - $\text{Bi}(\text{Ni}_{1/2}\text{Hf}_{1/2})\text{O}_3$ piezoceramics triggered by phase transformation. <i>Journal of the European Ceramic Society</i> , 2019, 39, 5277-5284.	2.8	10
251	Crystal structure and actuation mechanisms in morphotropic phase boundary $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $\text{Pb}(\text{Zr}_{1/2}\text{Ti}_{1/2})\text{O}_3$ piezoelectric ceramic. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2621-2627.		10
252	Large piezoelectricity in NaNbO_3 -based lead-free ceramics via tuning oxygen octahedral tilt. <i>Materials Horizons</i> , 2022, 9, 1002-1009.	6.4	10

#	ARTICLE	IF	CITATIONS
253	Microstructure and Electrical Properties of $(1-x)Bi(Li_{1/3}Zr_{2/3})O_3$ \leftrightarrow $PbTiO_3$ Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1692-1696.	1.9	9
254	Structure and enhanced piezoelectric response by chemical doping in $PbTiO_3 \leftrightarrow PbZrO_3 \leftrightarrow Bi(Ni_{1/2}Ti_{1/2})O_3$. <i>Inorganic Chemistry Communication</i> , 2013, 31, 66-68.	1.8	9
255	Temperature-independent ferroelectric property and characterization of high-TC $0.2Bi(Mg_{1/2}Ti_{1/2})O_3-0.8PbTiO_3$ thin films. <i>Applied Physics Letters</i> , 2013, 103, 082902.	1.5	9
256	One step molten salt synthesis of YVO_4 nanoparticles and their photocatalytic properties under UV-Visible light. <i>Inorganic Chemistry Communication</i> , 2014, 44, 79-82.	1.8	9
257	Enhanced photocatalytic hydrogen evolution efficiency using hollow microspheres of $(Cu_{1-x}Zn_x)S_2$ solid solutions. <i>Dalton Transactions</i> , 2015, 44, 10991-10996.	1.6	9
258	Cation deficiency effect on negative thermal expansion of ferroelectric $PbTiO_3$. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 1091-1094.	3.0	9
259	Phase transition and thermal expansion of $Ho_2W_3O_{12}$. <i>Inorganic Chemistry Communication</i> , 2016, 73, 111-114.	1.8	9
260	Synergistic effects of Bi Deficiencies and Fe-doping on the thermoelectric properties and hardness of $BiCuSeO$ ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 699-705.	0.5	9
261	Role of $\text{Dumbbell Pairs of Fe}$ in Spin Alignments and Negative Thermal Expansion of Lu_2Fe_{17} -Based Intermetallic Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 11228-11232.	1.9	9
262	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in $ErFe_{10}V_2$ \leftrightarrow Mo_x Compounds. <i>CCS Chemistry</i> , 2021, 3, 1009-1015.	4.6	9
263	Direct observation of electric field-induced tetragonal-orthorhombic phase transition in KNN-based piezoelectric ceramics via in-situ synchrotron diffraction. <i>Scripta Materialia</i> , 2022, 207, 114283.	2.6	9
264	High Piezoelectric Performance in $Pb(Ni_{1/3}Nb_{2/3})O_3 \leftrightarrow Pb(Sc_{1/2}Nb_{1/2})O_3 \leftrightarrow PbTiO_3$ Ternary System Featuring Small Structural Distortion and Heterogeneous Domain Configuration. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13528-13538.	4.0	9
265	A general and rapid synthesis of metal sulphides hollow spheres that have properties enhanced by salt-assisted aerosol decomposition: a case of ZnS and other multicomponent solid solutions. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8564-8568.	2.7	8
266	Temperature dependent of thermal expansion and ferroelectric properties for $BiAlO_3$ -modified $BaTiO_3$ lead-free ceramics. <i>Current Applied Physics</i> , 2014, 14, 13-17.	1.1	8
267	Controlled synthesis and properties of porous Cu/CeO_2 microspheres. <i>Materials Research Bulletin</i> , 2015, 61, 22-25.	2.7	8
268	Metamagnetism stabilized giant magnetoelectric coupling in ferroelectric $xBaTiO_3 \leftrightarrow (1-x)BiCoO_3$ solid solution. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7021-7032.	1.3	8
269	Enhanced tetragonality and large negative thermal expansion in a new Pb/Bi-based perovskite ferroelectric of $(1-x)TjETQq_1 1 0.784314 \text{ rgBT /Overlock } 10 \text{ Tf } 50 \text{ } 102 \text{ Td}$ \leftrightarrow $PbTiO_3 \leftrightarrow Bi(Zn_{1/2}O_3)$. <i>Chemistry Frontiers</i> , 2019, 6, 1990-1995.	3.0	8
270	Negative thermal expansion and the role of hybridization in perovskite-type $PbTiO_3 \leftrightarrow Bi(Cu_{0.5}Ti_{0.5})O_3$. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1190-1195.	3.0	8

#	ARTICLE	IF	CITATIONS
271	An Intriguing Polarization Configuration of Mixed Ising- and Néel-Type Model in the Prototype PbZrO ₃ -Based Antiferroelectrics. <i>Inorganic Chemistry</i> , 2021, 60, 3232-3237.	1.9	8
272	Critical Role of Sc Substitution in Modulating Ferroelectricity in Multiferroic LuFeO ₃ . <i>Nano Letters</i> , 2021, 21, 6648-6655.	4.5	8
273	Oxygen vacancy distributions and electron localization in a CeO ₂ (100) nanocube. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 275-283.	3.0	8
274	Neutron powder diffraction study and B-site ordering in microwave dielectric ceramics Ba(Ca _{1/3} Nb _{2/3})O ₃ . <i>Solid State Sciences</i> , 2009, 11, 170-175.	1.5	7
275	Rapid synthesis, structure and photocatalysis of pure bismuth A-site perovskite of Bi(Mg _{3/8} Fe _{2/8} Ti _{3/8})O ₃ . <i>Dalton Transactions</i> , 2014, 43, 9255-9259.	1.6	7
276	Low temperature molten salt synthesis of perovskite-type ACeO ₃ (A=Sr, Ba) in eutectic NaCl-KCl. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 342-346.	1.3	7
277	Well-saturated ferroelectric polarization in PbTiO ₃ /SmFeO ₃ thin films. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1473-1479.	3.0	7
278	Large piezoelectricity and potentially activated polarization reorientation around relaxor MPB in complex perovskite. <i>Journal of the European Ceramic Society</i> , 2022, 42, 112-118.	2.8	7
279	High piezoelectric and mechanical performances in multiferroic (1-x)yPbTiO ₃ -xBi(Ni _{1/2} Ti _{1/2})O ₃ -yBiScO ₃ . <i>Journal of Materials Chemistry</i> , 2012, 22, 6311.	6.7	6
280	Facile molten salt synthesis of ordered perovskite Ba(Sr _{1/3} Nb _{2/3})O ₃ powders. <i>Inorganic Chemistry Communication</i> , 2012, 21, 92-95.	1.8	6
281	Phase evolution and photoluminescence enhancement of CePO ₄ nanowires from a low phosphate concentration system. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	6
282	Morphology evolution and physical properties of Bi ₂ Mn ₄ O ₁₀ synthesized by hydrothermal method. <i>Journal of Crystal Growth</i> , 2013, 380, 1-4.	0.7	6
283	Enhanced high-temperature piezoelectric properties of traditional Pb(Zr,Ti)O ₃ ceramics by a small amount substitution of KNbO ₃ . <i>Materials Research Express</i> , 2014, 1, 046301.	0.8	6
284	A low-cost and large-scale synthesis of nano-zinc oxide from smithsonite. <i>Inorganic Chemistry Communication</i> , 2014, 43, 138-141.	1.8	6
285	Domain-reorientation-induced polarization wake-up of PbTiO ₃ based ferroelectric thin films. <i>Ceramics International</i> , 2016, 42, 19212-19217.	2.3	6
286	Microstructure construction and composition modification of CeO ₂ microspheres with superior performance. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 92-96.	3.0	6
287	Tailoring Negative Thermal Expansion in Ferroelectric Sn ₂ P ₂ S ₆ by Lone-Pair Cations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1832-1837.	1.5	6
288	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in (Gd,Ho)(Co,Fe) ₂ . <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3146-3151.	3.0	6

#	ARTICLE	IF	CITATIONS
289	Neutron Diffraction Study of Unusual Magnetic Behaviors in the Ho ₂ Fe ₁₁ Al ₆ Intermetallic Compound. <i>Inorganic Chemistry</i> , 2019, 58, 13742-13745.	1.9	6
290	Evidence of the enhanced negative thermal expansion in (1 - x)PbTiO ₃ -xBi(Zn _{2/3} Ta _{1/3})O ₃ . <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1284-1288.	3.0	6
291	Tuning thermal expansion from strong negative to zero to positive in Cu ₂ -Zn P ₂ O ₇ solid solutions. <i>Scripta Materialia</i> , 2022, 207, 114289.	2.6	6
292	Tolerance Factor Control of Tetragonality and Negative Thermal Expansion in PbTiO ₃ -Based Ferroelectrics. <i>Chemistry of Materials</i> , 2022, 34, 2798-2803.	3.2	6
293	Evolving Differentiated Local Polar Displacement and Relaxor Behavior in Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Perovskites. <i>Chemistry of Materials</i> , 2022, 34, 3985-3992.	3.2	6
294	Influences of oxide chemical modified on microstructure and electrical properties of PbTiO ₃ -Bi(Ni _{1/2} Ti _{1/2})O ₃ . <i>Inorganic Chemistry Communication</i> , 2013, 27, 9-12.	1.8	5
295	Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN) ₆ -based Prussian Blue Analogue Induced by Guest Species. <i>Angewandte Chemie</i> , 2017, 129, 9151-9156.	1.6	5
296	Preparation and characterization of high Curie-temperature piezoelectric ceramics in a new Bi-based perovskite of (1 - x)PbTiO ₃ -xBi(Zn _{1/2} Hf _{1/2})O ₃ . <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1352-1355.	3.0	5
297	Near-zero thermal expansion coordinated with geometric flexibility and π - π interaction in anisotropic [Zn ₈ (SiO ₄) ₄]-BDC] _n . <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1675-1679.	3.0	5
298	Enhanced Spontaneous Polarization by V ⁴⁺ Substitution in a Lead-Free Perovskite CaMnTi ₂ O ₆ . <i>Inorganic Chemistry</i> , 2020, 59, 11749-11756.	1.9	5
299	Strong Covalent Bonding for Enhanced Negative Thermal Expansion in (1 - x)Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (1) 20445-20449.	1.5	5
300	Distinct temperature behavior of the local structure of (1 - x)PbTiO ₃ - xBiNi _{0.5} Ti _{0.5} O ₃ at the morphotropic phase boundary. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1200-1209.	1.2	5
301	Observation of Stabilized Monoclinic Phase as a "Bridge" at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO ₃ and Rhombohedral BiFeO ₃ . <i>Chemistry of Materials</i> , 2020, 32, 3615-3620.	3.2	5
302	Manipulating Spin Alignments of (Y,Lu) _{1.7} Fe ₁₇ Intermetallic Compounds via Unusual Thermal Pressure. <i>Inorganic Chemistry</i> , 2020, 59, 5247-5251.	1.9	5
303	Ultrafast photoinduced strain in super-tetragonal PbTiO ₃ ferroelectric films. <i>Science China Materials</i> , 2021, 64, 1679-1686.	3.5	5
304	Realization of high thermal conductivity and tunable thermal expansion in the ScF ₃ @Cu core-shell composites. <i>Science China Technological Sciences</i> , 2021, 64, 2057-2065.	2.0	5
305	Revealing intrinsic and extrinsic piezoelectric contributions in phase coexistence system of PbTiO ₃ -BiScO ₃ . <i>Science China Materials</i> , 2022, 65, 170-178.	3.5	5
306	Synergy between phase transformation and domain switching in two morphotropic phase boundary ferroelectrics. <i>Physical Review Materials</i> , 2018, 2, .	0.9	5

#	ARTICLE	IF	CITATIONS
307	Controllable Thermal Expansion and Crystal Structure of (Fe _{1-x} Ni _x)ZrF ₆ Solid Solutions. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2018, 34, 339-343.		5
308	Transformation of Thermal Expansion from Large Volume Contraction to Nonlinear Strong Negative Thermal Expansion in PbTiO ₃ â€“Bi(Co _{1-x} Fe _x)O ₃ Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23610-23616.	4.0	5
309	Effects of Subsurface Oxide on Cu ₁ /CeO ₂ Single-Atom Catalysts for CO Oxidation: A Theoretical Investigation. <i>Inorganic Chemistry</i> , 2022, 61, 10006-10014.	1.9	5
310	Neutron diffraction studies of structure and increasing splitting of LO-TO phonons in Pb _{1-x} Cd _x TiO ₃ . <i>Journal of Applied Physics</i> , 2006, 100, 074106.	1.1	4
311	Large-scale synthesis of single-crystalline platelet Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ . <i>Materials Letters</i> , 2008, 62, 2332-2334.	1.3	4
312	Large scale and fast synthesis of multiferroic TbMn ₂ O ₅ single-crystalline nanorods. <i>Materials Research Bulletin</i> , 2014, 51, 74-79.	2.7	4
313	Preparation and electrical properties of the new lead-free (1 - x)Tj ETQq1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (<i>x</i>)-Bi piezoelectric ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 1038-1042.	0.5	4
314	Tunable thermal expansion and high hardness of (0.9â€“x)PbTiO ₃ â€“xCaTiO ₃ â€“0.1Bi(Zn _{2/3} Ta _{1/3})O ₃ ceramics. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1068-1072.		
315	Magnetic structure and uniaxial negative thermal expansion in antiferromagnetic CrSb. <i>Dalton Transactions</i> , 2020, 49, 17605-17611.	1.6	4
316	Relationship among the Crystal Structure, Texture, and Macroscopic Properties of Tetragonal (Pb,La)(Zr,Ti)O ₃ Ferroelectrics Investigated by In Situ High-Energy Synchrotron Diffraction. <i>Inorganic Chemistry</i> , 2020, 59, 13632-13638.	1.9	4
317	Polarization- and Strain-Mediated Control of Negative Thermal Expansion and Ferroelasticity in BiInO ₃ â€“BiZn _{1/2} Ti _{1/2} O ₃ . <i>Chemistry of Materials</i> , 2021, 33, 1498-1505.	3.2	4
318	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al) ₁₃ . <i>Science China Materials</i> , 2021, 64, 1238-1245.	3.5	4
319	Growth and ferroelectric properties of solâ€“gel derived Bi(Mg _{1/2} Zr _{1/2})O ₃ â€“PbTiO ₃ thin films. <i>Ceramics International</i> , 2014, 40, 6307-6310.	2.3	3
320	Effects of A-Site Substitutions on Negative Thermal Expansion in PbTiO ₃ from First-Principles Calculations. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2014, 30, 1432-1436.	2.2	3
321	Structure and control of negative thermal expansion of Nd/Sm substituted 0.5PbTiO ₃ â€“0.5BiFeO ₃ ferroelectrics. <i>RSC Advances</i> , 2016, 6, 32979-32982.	1.7	3
322	Composition-induced phase evolution and high strain response in Ba(Zn _{1/3} Nb _{2/3})O ₃ -modified (Bi _{0.5} Na _{0.5})TiO ₃ -based lead-free ferroelectrics. <i>RSC Advances</i> , 2018, 8, 12269-12275.	1.7	3
323	Large nonlinear optical effect in tungsten bronze structures via Li/Na cross-substitutions. <i>Chemical Communications</i> , 2020, 56, 8384-8387.	2.2	3
324	Zero Thermal Expansion and Strong Covalent Binding of VB ₂ Compound. <i>Inorganic Chemistry</i> , 2021, 60, 10095-10099.	1.9	3

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325	Realization of Negative Thermal Expansion in Lead-Free Bi _{0.5} K _{0.5} VO ₃ by the Suppression of Tetragonality. <i>Inorganic Chemistry</i> , 2022, , .	1.9	3
326	Understanding the role of guest ions in the control of thermal expansion of FeFe(CN) ₆ . <i>Results in Physics</i> , 2022, 36, 105410.	2.0	3
327	Molten salt synthesis and phase evolution of Ba(Cd _{1/3} Nb _{2/3})O ₃ . <i>International Journal of Materials Research</i> , 2009, 100, 1552-1556.	0.1	2
328	Multiferroics and electronic structure of (1-x)PbTiO ₃ -xBi(Ni _{1/2} Ti _{1/2})O ₃ thin films. <i>Thin Solid Films</i> , 2013, 542, 155-159.	0.8	2
329	Defect dipole-induced domain reorientation of NdFeO ₃ -PbTiO ₃ thin films. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1156-1161.	3.0	2
330	Phonon spectrum attributes for the negative thermal expansion of MZrF ₆ (M = Ca, Mn-Ni). <i>Journal of Applied Physics</i> , 2010, 108, 084301.	3.0	2
331	Near-zero temperature coefficient of resistivity in LaFe _{9.45} Al _{3.55} compound over 5-300 K. <i>Applied Physics Letters</i> , 2020, 116, 171901.	1.5	2
332	Electric-field-recoverable large shape memory in BNT-based lead-free ceramics. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9859-9864.	2.7	2
333	Correlation of Tunable CoSi ₄ Tetrahedron with the Superconducting Properties of LaCoSi. <i>Inorganic Chemistry</i> , 2021, 60, 10880-10884.	1.9	2
334	Semi-empirical estimation for enhancing negative thermal expansion in PbTiO ₃ -based perovskites. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 783-786.	2.4	2
335	Understanding Large Negative Thermal Expansion of NdFe(CN) ₆ through the Electronic Structure and Lattice Dynamics. <i>Inorganic Chemistry</i> , 2022, 61, 7813-7819.	1.9	2
336	Anomalous dispersion X-ray diffraction study of Pb/Bi ordering/disordering states in PbTiO ₃ -based perovskite oxides. <i>Dalton Transactions</i> , 2017, 46, 733-738.	1.6	1
337	<i>In situ</i> determination of the interplay of the structure and domain under a subcoercive field in BiScO ₃ -PbTiO ₃ . <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4415-4422.	3.0	1
338	Local monoclinic polarization rotation promoting a different domain alignment in rhombohedral $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ ferroelectrics. <i>Physical Review B</i> , 2022, 105, .		
339	Crystal structure of microwave dielectric ceramics Ba[(Mg _{1-x} Cd _x) _{0.33} Nb _{0.67}]O ₃ . <i>Powder Diffraction</i> , 2007, 22, 295-299.	0.4	0
340	Chemical renormalization of the paraelectric-ferroelectric phase transition in PbTiO ₃ -BiB _{0.5} O ₃ solid solutions with tetragonal symmetry. <i>Applied Physics Letters</i> , 2020, 117, 022904.	1.5	0
341	Structure and good piezoelectric performance in the complex system of Pb[(Zn,Ni)Nb]O ₃ -Pb[(In,Yb)Nb]O ₃ -Pb(Zr,Hf,Ti)O ₃ . <i>Journal of Applied Physics</i> , 2020, 128, 024101.	1.1	0
342	Biaxial negative thermal expansion in Zn[N(CN) ₂] ₂ . <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	0