# Jun Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5903911/publications.pdf

Version: 2024-02-01

| 342 | 13,988 | 30070 54 | 30087 103 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 348 | 348 | 348 | 11718 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Recent Advances and Prospects of Cathode Materials for Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 5343-5364. | 21.0 | 915 |
| 2 | FeSe<sub>2</sub> Microspheres as a Highâ€Performance Anode Material for Naâ€Ion Batteries. Advanced Materials, 2015, 27, 3305-3309. | 21.0 | 581 |
| 3 | Negative thermal expansion in functional materials: controllable thermal expansion by chemical modifications. Chemical Society Reviews, 2015, 44, 3522-3567. | 38.1 | 527 |
| 4 | Ultrasmall Sn Nanoparticles Embedded in Carbon as Highâ€Performance Anode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 214-220. | 14.9 | 498 |
| 5 | Urchinâ€Like CoSe<sub>2</sub> as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 6728-6735. | 14.9 | 471 |
| 6 | All Organic Sodiumâ€Ion Batteries with Na<sub>4</sub>C<sub>8</sub>H<sub>2</sub>O<sub>6</sub>. Angewandte Chemie - International Edition, 2014, 53, 5892-5896. | 13.8 | 363 |
| 7 | MnFe<sub>2</sub>O<sub>4</sub>@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3321-3328. | 9.1 | 348 |
| 8 | Template-Free Hydrothermal Synthesis of CeO<sub>2</sub> Nano-octahedrons and Nanorods: Investigation of the Morphology Evolution. Crystal Growth and Design, 2008, 8, 1474-1477. | 3.0 | 290 |
| 9 | 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 |
| 10 | Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. Nano Energy, 2017, 35, 281-289. | 16.0 | 247 |
| 11 | Zero Thermal Expansion in PbTiO<sub>3</sub>-Based Perovskites. Journal of the American Chemical Society, 2008, 130, 1144-1145. | 13.7 | 183 |
| 12 | Giant polarization in super-tetragonal thin films through interphase strain. Science, 2018, 361, 494-497. | 12.6 | 173 |
| 13 | Giant energy-storage density with ultrahigh efficiency in lead-free relaxors via high-entropy design. Nature Communications, 2022, 13, . | 12.8 | 157 |
| 14 | Pseudoâ€Bonding and Electricâ€Field Harmony for Liâ€Rich Mnâ€Based Oxide Cathode. Advanced Functional Materials, 2020, 30, 2004302. | 14.9 | 149 |
| 15 | The Role of Spontaneous Polarization in the Negative Thermal Expansion of Tetragonal PbTiO<sub>3</sub>-Based Compounds. Journal of the American Chemical Society, 2011, 133, 11114-11117. | 13.7 | 148 |
| 16 | Zero Thermal Expansion and Ferromagnetism in Cubic Sc<sub>1â€“x</sub>M<sub>x</sub>F<sub>3</sub> (M = Ga, Fe) over a Wide Temperature Range. Journal of the American Chemical Society, 2014, 136, 13566-13569. | 13.7 | 144 |
| 17 | A Novel NASICONâ€Type Na<sub>4</sub>MnCr(PO<sub>4</sub>)<sub>3</sub> Demonstrating the Energy Density Record of Phosphate Cathodes for Sodiumâ€Ion Batteries. Advanced Materials, 2020, 32, e1906348. | 21.0 | 142 |
| 18 | Rapid Synthesis of Multiferroic BiFeO3Single-Crystalline Nanostructures. Chemistry of Materials, 2007, 19, 3598-3600. | 6.7 | 141 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Controlled Synthesis of CeO<sub>2</sub> Flower-Like and Well-Aligned Nanorod Hierarchical Architectures by a Phosphate-Assisted Hydrothermal Route. Journal of Physical Chemistry C, 2008, 112, 19896-19900. | 3.1 | 122 |
| 20 | Hierarchical Engineering of Porous P2â€Na<sub>2/3</sub>Ni<sub>1/3</sub>Mn<sub>2/3</sub>O<sub>2</sub> Nanofibers Assembled by Nanoparticles Enables Superior Sodiumâ€Ion Storage Cathodes. Advanced Functional Materials, 2020, 30, 1907837. | 14.9 | 117 |
| 21 | New Insights into the Negative Thermal Expansion: Direct Experimental Evidence for the â€œGuitar-Stringâ€•Effect in Cubic ScF<sub>3</sub>. Journal of the American Chemical Society, 2016, 138, 8320-8323. | 13.7 | 115 |
| 22 | Stress-induced phase transition in lead-free relaxor ferroelectric composites. Acta Materialia, 2017, 136, 271-280. | 7.9 | 111 |
| 23 | A study into the extracted ion number for NASICON structured Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> in sodium-ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 17681-17687. | 2.8 | 106 |
| 24 | Negative thermal expansion in molecular materials. Chemical Communications, 2018, 54, 5164-5176. | 4.1 | 104 |
| 25 | Evidence for (Bi,Pb)â€“O Covalency in the High T<sub>C</sub> Ferroelectric PbTiO<sub>3</sub>â€“BiFeO<sub>3</sub> with Large Tetragonality. Chemistry of Materials, 2011, 23, 3135-3137. | 6.7 | 102 |
| 26 | Unusual Transformation from Strong Negative to Positive Thermal Expansion in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PbTiO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mtext mathvariant="normal">â^’</mml:mtext><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Perov Physical Review Letters, 2013, 110, 115901. | 7.8 | 102 |
| 27 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Pb</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>Zr</mml:mi><mml:mo>,</mml:mo><mml:mi>Ti</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>Ceramics: | 7.8 | 102 |
| 28 | Structure and negative thermal expansion in the PbTiO3â€“BiFeO3 system. Applied Physics Letters, 2006, 89, 101914. | 3.3 | 101 |
| 29 | Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN)<sub>6</sub>â€based Prussian Blue Analogue Induced by Guest Species. Angewandte Chemie - International Edition, 2017, 56, 9023-9028. | 13.8 | 101 |
| 30 | Discovering Large Isotropic Negative Thermal Expansion in Framework Compound AgB(CN)<sub>4</sub> via the Concept of Average Atomic Volume. Journal of the American Chemical Society, 2020, 142, 6935-6939. | 13.7 | 97 |
| 31 | Tunable thermal expansion in framework materials through redox intercalation. Nature Communications, 2017, 8, 14441. | 12.8 | 95 |
| 32 | Critical Role of Monoclinic Polarization Rotation in High-Performance Perovskite Piezoelectric Materials. Physical Review Letters, 2017, 119, 017601. | 7.8 | 95 |
| 33 | Wire Structure and Morphology Transformation of Niobium Oxide and Niobates by Molten Salt Synthesis. Chemistry of Materials, 2009, 21, 1207-1213. | 6.7 | 91 |
| 34 | Effectively control negative thermal expansion of single-phase ferroelectrics of PbTiO3-(Bi,La)FeO3 over a giant range. Scientific Reports, 2013, 3, 2458. | 3.3 | 91 |
| 35 | Atomic Linkage Flexibility Tuned Isotropic Negative, Zero, and Positive Thermal Expansion in MZrF<sub>6</sub> (M = Ca, Mn, Fe, Co, Ni, and Zn). Journal of the American Chemical Society, 2016, 138, 14530-14533. | 13.7 | 89 |
| 36 | Bismuth oxychloride hollow microspheres with high visible light photocatalytic activity. Nano Research, 2016, 9, 593-601. | 10.4 | 88 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Domain wall and interphase boundary motion in a two-phase morphotropic phase boundary ferroelectric: Frequency dispersion and contribution to piezoelectric and dielectric properties. Physical Review B, 2012, 86, . | 3.2 | 87 |
| 38 | Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe)<sub>2</sub> Intermetallic Compounds. Journal of the American Chemical Society, 2018, 140, 602-605. | 13.7 | 87 |
| 39 | Enhanced Temperature Stability and Defect Mechanism of BNTâ€Based Leadâ€Free Piezoceramics Investigated by a Quenching Process. Advanced Electronic Materials, 2019, 5, 1800756. | 5.1 | 85 |
| 40 | Temperature Dependence of the Piezoelectric Coefficient in <scp><scp>BiMeO<sub>3</sub></scp></scp>â€<scp><scp>PbTiO<sub>3</sub></scp></scp> (<scp><scp>Me</scp></scp>Â=Â<scp><scp>Fe</scp>, <scp>Sc</scp></scp>,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (<scp><sc Ceramic Society, 2012, 95, 711-715. | 3.8 | 84 |
| 41 | Role of Reversible Phase Transformation for Strong Piezoelectric Performance at the Morphotropic Phase Boundary. Physical Review Letters, 2018, 120, 055501. | 7.8 | 84 |
| 42 | Temperature dependence of piezoelectric properties of high-TCâ€ˆBi(Mg1/2Ti1/2)O3â€“PbTiO3. Journal of Applied Physics, 2009, 106, . | 2.5 | 83 |
| 43 | Dualâ€Strategy of Cationâ€Doping and Nanoengineering Enables Fast and Stable Sodiumâ€Ion Storage in a Novel Fe/Mnâ€Based Layered Oxide Cathode. Advanced Science, 2020, 7, 2002199. | 11.2 | 83 |
| 44 | Outstanding Energy Storage Performance in Highâ€Hardness (Bi<sub>0.5</sub>K<sub>0.5</sub>)TiO<sub>3</sub>â€Based Leadâ€Free Relaxors via Multiâ€Scale Synergistic Design. Advanced Functional Materials, 2022, 32, 2110478. | 14.9 | 83 |
| 45 | Understanding the superior sodium-ion storage in a novel Na3.5Mn0.5V1.5(PO4)3 cathode. Energy Storage Materials, 2019, 23, 25-34. | 18.0 | 81 |
| 46 | Thermal Expansion, Ferroelectric and Magnetic Properties in (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (x)PbTiO<sub>3 the American Chemical Society, 2010, 132, 1925-1928. | 13.7 | 79 |
| 47 | Solid solution Pb1â^'xSrxTiO3 and its thermal expansion. Journal of Alloys and Compounds, 2003, 360, 286-289. | 5.5 | 72 |
| 48 | TEM study of phases and domains in NaNbO3 at room temperature. Physica Status Solidi A, 1988, 109, 171-185. | 1.7 | 68 |
| 49 | Hydrothermal Synthesis of Single Crystalline (K,Na)NbO3 Powders. European Journal of Inorganic Chemistry, 2007, 2007, 1884-1888. | 2.0 | 66 |
| 50 | Topochemical molten salt synthesis for functional perovskite compounds. Chemical Science, 2016, 7, 855-865. | 7.4 | 65 |
| 51 | Enhanced piezoelectric and ferroelectric properties in the BaZrO3 substituted BiFeO3-PbTiO3. Applied Physics Letters, 2013, 102, . | 3.3 | 64 |
| 52 | Negative thermal expansion in magnetic materials. Progress in Materials Science, 2021, 121, 100835. | 32.8 | 62 |
| 53 | Strong Negative Thermal Expansion in a Low-Cost and Facile Oxide of Cu<sub>2</sub>P<sub>2</sub>O<sub>7</sub>. Journal of the American Chemical Society, 2020, 142, 3088-3093. | 13.7 | 59 |
| 54 | Negative thermal expansion in framework structure materials. Coordination Chemistry Reviews, 2021, 449, 214204. | 18.8 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Phase Evolution in Low-Dimensional Niobium Oxide Synthesized by a Topochemical Method. Inorganic Chemistry, 2010, 49, 1397-1403. | 4.0 | 56 |
| 56 | Large Photovoltage and Controllable Photovoltaic Effect in PbTiO<sub>3</sub>â€Bi(Ni<sub>2/3+x</sub>Nb<sub>1/3â€“x</sub>)O<sub>3â€“</sub><sub>δ</sub> Ferroelectrics. Advanced Electronic Materials, 2015, 1, 1400051. | 6.1 | 56 |
| 57 | Colossal Volume Contraction in Strong Polar Perovskites of Pb(Ti,V)O<sub>3</sub>. Journal of the American Chemical Society, 2017, 139, 14865-14868. | 13.7 | 55 |
| 58 | BiScO<sub>3</sub> Doped (Na<sub>0.5</sub>K<sub>0.5</sub>)NbO<sub>3</sub> Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2009, 92, 130-132. | 3.8 | 54 |
| 59 | Raman study of BiFeO3 with different excitation wavelengths. Physica B: Condensed Matter, 2009, 404, 171-174. | 2.7 | 54 |
| 60 | Enhanced Piezoelectric Properties and Thermal Stability in the (K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub>:ZnO Leadâ€Free Piezoelectric Composites. Journal of the American Ceramic Society, 2015, 98, 3935-3941. | 3.8 | 52 |
| 61 | High-electromechanical performance for high-power piezoelectric applications: Fundamental, progress, and perspective. Progress in Materials Science, 2022, 127, 100944. | 32.8 | 52 |
| 62 | Chemical Diversity for Tailoring Negative Thermal Expansion. Chemical Reviews, 2022, 122, 8438-8486. | 47.7 | 51 |
| 63 | Thermal Expansion Properties of Lanthanum-Substituted Lead Titanate Ceramics. Journal of the American Ceramic Society, 2005, 88, 1356-1358. | 3.8 | 49 |
| 64 | Experimental visualization of the Biâ€“O covalency in ferroelectric bismuth ferrite (BiFeO3) by synchrotron X-ray powder diffraction analysis. Physical Chemistry Chemical Physics, 2013, 15, 6779. | 2.8 | 49 |
| 65 | Deaging and Asymmetric Energy Landscapes in Electrically Biased Ferroelectrics. Physical Review Letters, 2012, 108, 177601. | 7.8 | 48 |
| 66 | Charge transfer drives anomalous phase transition in ceria. Nature Communications, 2018, 9, 5063. | 12.8 | 48 |
| 67 | Niobium pentoxide hollow nanospheres with enhanced visible light photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 11894. | 10.3 | 46 |
| 68 | Localized Symmetry Breaking for Tuning Thermal Expansion in ScF<sub>3</sub> Nanoscale Frameworks. Journal of the American Chemical Society, 2018, 140, 4477-4480. | 13.7 | 44 |
| 69 | Large resistive switching and switchable photovoltaic response in ferroelectric doped BiFeO<sub>3</sub>-based thin films by chemical solution deposition. Journal of Materials Chemistry C, 2015, 3, 4706-4712. | 5.5 | 43 |
| 70 | Phase Transformation and Negative Thermal Expansion in TaVO<sub>5</sub>. Inorganic Chemistry, 2011, 50, 2685-2690. | 4.0 | 42 |
| 71 | Bi0.5Na0.5TiO3:ZnO lead-free piezoelectric composites with deferred thermal depolarization. Applied Physics Letters, 2015, 106, . | 3.3 | 41 |
| 72 | Large electrostrain and structural evolution in (1-x)[0.94Bi0.5Na0.5TiO3-0.06BaTiO3]-xAgNbO3 ceramics. Journal of the European Ceramic Society, 2019, 39, 994-1001. | 5.7 | 41 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. Science China Chemistry, 2021, 64, 385-402. | 8.2 | 40 |
| 74 | Urchinâ€Like Fe<sub>3</sub>Se<sub>4</sub> Hierarchitectures: A Novel Pseudocapacitive Sodiumâ€Ion Storage Anode with Prominent Rate and Cycling Properties. Small, 2020, 16, e2000504. | 10.0 | 39 |
| 75 | Effects of Li Substitution on the Structure and Ferroelectricity of (Na,K)NbO<sub>3</sub>. Journal of the American Ceramic Society, 2009, 92, 3033-3036. | 3.8 | 38 |
| 76 | A New Insight into Crossâ€Sensitivity to Humidity of SnO<sub>2</sub> Sensor. Small, 2018, 14, e1703974. | 10.0 | 38 |
| 77 | Structure and enhancement of negative thermal expansion in the PbTiO3â€“CdTiO3 system. Applied Physics Letters, 2005, 87, 231915. | 3.3 | 37 |
| 78 | High piezoelectric performance in a new Bi-based perovskite of (1â^'x)Bi(Ni1/2Hf1/2)O3â^'xPbTiO3. Journal of Applied Physics, 2012, 112, . | 2.5 | 37 |
| 79 | Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb<sub>5</sub>O<sub>15</sub>. Journal of the American Chemical Society, 2015, 137, 13468-13471. | 13.7 | 37 |
| 80 | Twin Crystal Induced near Zero Thermal Expansion in SnO<sub>2</sub> Nanowires. Journal of the American Chemical Society, 2018, 140, 7403-7406. | 13.7 | 37 |
| 81 | Chemical-Pressure-Modulated BaTiO<sub>3</sub> Thin Films with Large Spontaneous Polarization and High Curie Temperature. Journal of the American Chemical Society, 2021, 143, 6491-6497. | 13.7 | 37 |
| 82 | Structural Evidence for Strong Coupling between Polarization Rotation and Lattice Strain in Monoclinic Relaxor Ferroelectrics. Chemistry of Materials, 2017, 29, 5767-5771. | 6.7 | 36 |
| 83 | Electric-field-induced structure and domain texture evolution in PbZrO3-based antiferroelectric by in-situ high-energy synchrotron X-ray diffraction. Acta Materialia, 2020, 184, 41-49. | 7.9 | 36 |
| 84 | Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO<sub>3</sub>. Journal of the American Chemical Society, 2020, 142, 5731-5741. | 13.7 | 35 |
| 85 | High spontaneous polarization in PbTiO3â€“BiMeO3 systems with enhanced tetragonality. Applied Physics Letters, 2007, 91, 171907. | 3.3 | 34 |
| 86 | Zero thermal expansion in (1â^'x)PbTiO3â€“xBi(Mg,Ti)1/2O3 piezoceramics. Journal of Materials Chemistry, 2009, 19, 1648. | 6.7 | 34 |
| 87 | PbTiO<sub>3</sub>-based perovskite ferroelectric and multiferroic thin films. Physical Chemistry Chemical Physics, 2017, 19, 17493-17515. | 2.8 | 34 |
| 88 | Local Chemical Ordering and Negative Thermal Expansion in PtNi Alloy Nanoparticles. Nano Letters, 2017, 17, 7892-7896. | 9.1 | 34 |
| 89 | 3D negative thermal expansion in orthorhombic MIL-68(In). Chemical Communications, 2018, 54, 5712-5715. | 4.1 | 34 |
| 90 | Negative thermal expansion in (Sc,Ti)Fe<sub>2</sub> induced by an unconventional magnetovolume effect. Materials Horizons, 2020, 7, 275-281. | 12.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. Materials Horizons, 2020, 7, 1912-1918. | 12.2 | 34 |
| 92 | Unveiling the Complementary Manganese and Oxygen Redox Chemistry for Stabilizing the Sodiumâ€Ion Storage Behaviors of Layered Oxide Cathodes. Advanced Functional Materials, 2022, 32, . | 14.9 | 34 |
| 93 | Preparation and Electric Properties of <scp><scp>Bi</scp></scp><sub>0.5</sub><scp><scp>Na</scp></scp><sub>0.5</sub><scp><scp>TiO</scp></scp><sub>3</sub>â€Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2013, 96, 1171-1175. | 3.8 | 33 |
| 94 | Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting K<sub>2</sub>TiF<sub>6</sub>:Mn<sup>4+</sup> for White-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 20143-20149. | 8.0 | 33 |
| 95 | Strong Second Harmonic Generation in a Tungsten Bronze Oxide by Enhancing Local Structural Distortion. Journal of the American Chemical Society, 2020, 142, 7480-7486. | 13.7 | 33 |
| 96 | High pressure Raman investigations of multiferroic BiFeO<sub>3</sub>. Journal of Physics Condensed Matter, 2009, 21, 385901. | 1.8 | 32 |
| 97 | Effects of oxygen vacancy on the electronic structure and multiferroics in solâ€“gel derived Pb0.8Co0.2TiO3 thin films. Dalton Transactions, 2013, 42, 10358. | 3.3 | 32 |
| 98 | Low-Frequency Phonon Driven Negative Thermal Expansion in Cubic GaFe(CN)<sub>6</sub> Prussian Blue Analogues. Inorganic Chemistry, 2018, 57, 10918-10924. | 4.0 | 32 |
| 99 | Negative thermal expansion in cubic FeFe(CN)<sub>6</sub> Prussian blue analogues. Dalton Transactions, 2019, 48, 3658-3663. | 3.3 | 32 |
| 100 | Large isotropic negative thermal expansion in water-free Prussian blue analogues of ScCo(CN)6. Scripta Materialia, 2020, 187, 119-124. | 5.2 | 32 |
| 101 | Simultaneously enhancing piezoelectric performance and thermal depolarization in lead-free (Bi,Na)TiO3-BaTiO3 via introducing oxygen-defect perovskites. Acta Materialia, 2021, 208, 116711. | 7.9 | 32 |
| 102 | Manipulating Stable Layered P2â€Type Cathode via a Coâ€Substitution Strategy for High Performance Sodium Ion Batteries. Small Methods, 2022, 6, e2101292. | 8.6 | 32 |
| 103 | Effect of Ba and Pb dual doping on the thermoelectric properties of BiCuSeO ceramics. Materials Letters, 2018, 217, 189-193. | 2.6 | 31 |
| 104 | Enhanced thermoelectric performances in BiCuSeO oxyselenides via Er and 3D modulation doping. Ceramics International, 2019, 45, 4493-4498. | 4.8 | 30 |
| 105 | Large Piezoelectric Response and Polarization in Relaxor Ferroelectric <scp><scp>PbTiO</scp></scp><sub>3</sub>â€“<scp><scp>Bi</scp></scp>(<scp><scp>Ni</scp></scp><sub>1/2</sub><scp><scp>Z</scp></scp> Journal of the American Ceramic Society, 2013, 96, 1035-1038. | 3.8 | 29 |
| 106 | Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO<sub>3</sub>-Based Perovskites. Chemistry of Materials, 2019, 31, 1296-1303. | 6.7 | 29 |
| 107 | Preparation, Structure, and enhanced thermoelectric properties of Sm-doped BiCuSeO oxyselenide. Materials and Design, 2020, 185, 108263. | 7.0 | 29 |
| 108 | Structure and thermal expansion of the tungsten bronze Pb<sub>2</sub>KNb<sub>5</sub>O<sub>15</sub>. Dalton Transactions, 2014, 43, 7037-7043. | 3.3 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Lattice dynamics and anharmonicity of CaZrF6 from Raman spectroscopy and ab initio calculations. Materials Chemistry and Physics, 2016, 180, 213-218. | 4.0 | 28 |
| 110 | Tunable Thermal Expansion from Negative, Zero, to Positive in Cubic Prussian Blue Analogues of GaFe(CN)<sub>6</sub>. Inorganic Chemistry, 2018, 57, 14027-14030. | 4.0 | 28 |
| 111 | Realizing isotropic negative thermal expansion covering room temperature by breaking the superstructure of ZrV2O7. Applied Physics Letters, 2020, 116, . | 3.3 | 28 |
| 112 | Strong Roomâ€Temperature Ferroelectricity in Strained SrTiO<sub>3</sub> Homoepitaxial Film. Advanced Materials, 2021, 33, e2008316. | 21.0 | 28 |
| 113 | Facile alcohothermal synthesis of large-scale ceria nanowires with organic surfactant assistance. Physica B: Condensed Matter, 2007, 390, 59-64. | 2.7 | 27 |
| 114 | Origin of high piezoelectric activity in perovskite ferroelectric ceramics. Applied Physics Letters, 2014, 104, . | 3.3 | 27 |
| 115 | Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe<sub>2</sub> Alloys. Chemistry of Materials, 2017, 29, 7078-7082. | 6.7 | 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. | 7.9 | 27 |
| 117 | Effect of H<sub>2</sub>O Molecules on Thermal Expansion of TiCo(CN)<sub>6</sub>. Inorganic Chemistry, 2020, 59, 14852-14855. | 4.0 | 27 |
| 118 | Ultrawide Temperature Range Super-Invar Behavior of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>R</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml stretchy="false">(</mml:mo><mml:mi>Fe</mml:mi><mml:mo>,</mml:mo><mml:mi>Co</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlo | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Chemical pressure in functional materials. Chemical Society Reviews, 2022, 51, 5351-5364. | 38.1 | 25 |
| 128 | Enhanced piezoelectric and antiferroelectric properties of high-TC perovskite of Zr-substituted Bi(Mg1/2Ti1/2)O3-PbTiO3. Journal of Applied Physics, 2012, 112, 074101. | 2.5 | 24 |
| 129 | Extensive domain wall motion and deaging resistance in morphotropic 0.55Bi(Ni1/2Ti1/2)O3â€“0.45PbTiO3 polycrystalline ferroelectrics. Applied Physics Letters, 2014, 104, . | 3.3 | 24 |
| 130 | Plastic and low-cost axial zero thermal expansion alloy by a natural dual-phase composite. Nature Communications, 2021, 12, 4701. | 12.8 | 24 |
| 131 | Leaching of zinc from calcined smithsonite using sodium hydroxide. Hydrometallurgy, 2013, 131-132, 89-92. | 4.3 | 23 |
| 132 | Hydration and Thermal Expansion in Anatase Nanoparticles. Advanced Materials, 2016, 28, 6894-6899. | 21.0 | 23 |
| 133 | Structure and Phase Transformation in the Giant Magnetostriction Laves-Phase SmFe<sub>2</sub>. Inorganic Chemistry, 2018, 57, 689-694. | 4.0 | 23 |
| 134 | Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of Mn<sub>3</sub>A (A = Ge and Sn). Chemistry of Materials, 2018, 30, 6236-6241. | 6.7 | 23 |
| 135 | Enhanced thermoelectric properties in BiCuSeO ceramics by Pb/Ni dual doping and 3D modulation doping. Journal of Solid State Chemistry, 2019, 271, 1-7. | 2.9 | 23 |
| 136 | Coprecipitation synthesis and negative thermal expansion of NbVO5. Dalton Transactions, 2011, 40, 3394. | 3.3 | 22 |
| 137 | Tunable thermal expansion and magnetism in Zr-doped ScF3. Applied Physics Letters, 2016, 109, . | 3.3 | 22 |
| 138 | Large negative thermal expansion in non-perovskite lead-free ferroelectric Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub>. Physical Chemistry Chemical Physics, 2016, 18, 6247-6251. | 2.8 | 22 |
| 139 | Tetragonal phase and enhanced depolarization temperature in Ba-rich (Bi,Na)TiO3â€“BaTiO3 lead-free piezoelectrics. Ceramics International, 2020, 46, 3708-3714. | 4.8 | 22 |
| 140 | Growth of hematite nanowire arrays during dense pentlandite oxidation. Journal of Materials Chemistry A, 2014, 2, 3008. | 10.3 | 21 |
| 141 | Flexible polarization configuration in high-entropy piezoelectrics with high performance. Acta Materialia, 2022, 236, 118115. | 7.9 | 21 |
| 142 | Microstructural characterization of solâ€“gel derived Pb1â^'xLaxTiO3 ferroelectrics. Journal of Alloys and Compounds, 2005, 388, 308-313. | 5.5 | 20 |
| 143 | Structure, piezoelectric, and ferroelectric properties of BaZrO3 substituted Bi(Mg1/2Ti1/2)O3-PbTiO3 perovskite. Journal of Applied Physics, 2012, 111, . | 2.5 | 20 |
| 144 | Structure, phase transition and negative thermal expansion in ammoniated ZrW<sub>2</sub>O<sub>8</sub>. Inorganic Chemistry Frontiers, 2016, 3, 856-860. | 6.0 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Atomic-level structural correlations across the morphotropic phase boundary of a ferroelectric solid solution: xBiMg1/2Ti1/2O3-(1â€‰â^'â€‰x)PbTiO3. Scientific Reports, 2017, 7, 471. | 3.3 | 20 |
| 146 | Negativeâ€Pressureâ€Induced Large Polarization in Nanosized PbTiO<sub>3</sub>. Advanced Materials, 2020, 32, e2002968. | 21.0 | 20 |
| 147 | High performance and low thermal expansion in Er-Fe-V-Mo dual-phase alloys. Acta Materialia, 2020, 198, 271-280. | 7.9 | 20 |
| 148 | Crystallographic and Raman spectroscopic studies of microwave dielectric ceramics Ba(Ca1/3Nb2/3)O3. Journal of Alloys and Compounds, 2009, 472, 502-506. | 5.5 | 19 |
| 149 | Structural evidence for the nonmonotonic trend of TC in tetragonal PbTiO3î—¸BiScO3 solid solutions. Applied Physics Letters, 2010, 96, . | 3.3 | 19 |
| 150 | Preparation and Electric Properties of <scp><scp>Bi</scp></scp><sub>0.5</sub><scp><scp>Na</scp></scp><sub>0.5</sub><scp><scp>TiO</scp></scp><sub>3</sub>â€“Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2013, 96, 3793-3797. | 3.8 | 19 |
| 151 | Rapid Molten Salt Synthesis of Isotropic Negative Thermal Expansion <scp><scp>ScF</scp></scp><sub>3</sub>. Journal of the American Ceramic Society, 2014, 97, 1009-1011. | 3.8 | 19 |
| 152 | Enhanced Piezoelectric Properties of Tetragonal (Bi<sub>1/2</sub>K<sub>1/2</sub>)TiO<sub>3</sub> Leadâ€Free Ceramics by Substitution of Pure Biâ€Based Bi(Mg<sub>2/3</sub>Nb<sub>1/3</sub>)O<sub>3</sub>. Journal of the American Ceramic Society, 2015, 98, 104-108. | 3.8 | 19 |
| 153 | Effect of synthesis processes on the thermoelectric properties of BiCuSeO oxyselenides. Journal of Alloys and Compounds, 2018, 754, 131-138. | 5.5 | 19 |
| 154 | Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo<sub>2</sub>-Based Intermetallic Compounds (R = Rare Earth). Inorganic Chemistry, 2019, 58, 5401-5405. | 4.0 | 19 |
| 155 | Characterization and high piezoelectric performance of Pb(Fe<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub>â€“Pb(In<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub>â€“PbTiO<sub>3</sub> ternary ceramics. Inorganic Chemistry Frontiers, 2019, 6, 3070-3076. | 6.1 | 19 |
| 156 | Negative and zero thermal expansion in Î±-(Cu<sub>2â^'x</sub>Zn<sub>x</sub>)V<sub>2</sub>O<sub>7</sub> solid solutions. Chemical Communications, 2020, 56, 10666-10669. | 4.1 | 19 |
| 157 | Transforming Thermal Expansion from Positive to Negative: The Case of Cubic Magnetic Compounds of (Zr,Nb)Fe<sub>2</sub>. Journal of Physical Chemistry Letters, 2020, 11, 1954-1961. | 4.6 | 19 |
| 158 | Strong Negative Thermal Expansion of Cu<sub>2</sub>PVO<sub>7</sub> in a Wide Temperature Range. Chemistry of Materials, 2021, 33, 1321-1329. | 6.7 | 19 |
| 159 | The role of average atomic volume in predicting negative thermal expansion: The case of REFe(CN)6. Science China Materials, 2022, 65, 553-557. | 6.3 | 19 |
| 160 | Low-temperature synthesis and characterization of (Zn,Ni)TiO3 ceramics by a modified solâ€“gel route. Journal of Alloys and Compounds, 2006, 420, 317-321. | 5.5 | 18 |
| 161 | Effect of BiScO<sub>3</sub> and LiNbO<sub>3</sub> on the Piezoelectric Properties of (Na<sub>0.5</sub>K<sub>0.5</sub>)NbO<sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2009, 92, 1853-1855. | 3.8 | 18 |
| 162 | Preparation and Electrical Properties of High-TC Piezoelectric Ceramics of Strontium-Substituted Bi(Ni1/2Ti1/2)O3-PbTiO3. Journal of the American Ceramic Society, 2012, 95, 1170-1173. | 3.8 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Multiferroic properties and enhanced magnetoelectric coupling in (1Ââ^'Âx)PbTiO3Ââ^'ÂxNdFeO3. Solid State Sciences, 2013, 15, 91-94. | 3.2 | 18 |
| 164 | Both electric field and temperature independent behavior of piezoelectric property of Pb(Ni1/3Nb2/3)O3â€"PbTiO3. Materials Research Bulletin, 2015, 61, 448-452. | 5.2 | 18 |
| 165 | High-Dielectric-Permittivity Layered Nitride CaTiN<sub>2</sub>. Chemistry of Materials, 2017, 29, 1989-1993. | 6.7 | 18 |
| 166 | Extrinsic contributions to piezoelectric Rayleigh behavior in morphotropic PbTiO3 - BiScO3. Acta Materialia, 2017, 137, 45-53. | 7.9 | 18 |
| 167 | Favorable Concurrence of Static and Dynamic Phenomena at the Morphotropic Phase Boundary of xBiNi0.5Zr0.5O3â^'(1â^'x)PbTiO3. Physical Review Letters, 2017, 119, 207604. | 7.8 | 18 |
| 168 | Enhanced Visible Photocatalytic Hydrogen Evolution of KN-Based Semiconducting Ferroelectrics via Band-Gap Engineering and High-Field Poling. ACS Applied Materials & Interfaces, 2022, 14, 8916-8930. | 8.0 | 18 |
| 169 | Visible-light photocatalytic hydrogen production in a narrow-bandgap semiconducting La/Ni-modified KNbO<sub>3</sub> ferroelectric and further enhancement via high-field poling. Journal of Materials Chemistry A, 2022, 10, 7238-7250. | 10.3 | 18 |
| 170 | Topochemical Synthesis of Micron-Platelet (Na0.5K0.5)NbO3 Particles. European Journal of Inorganic Chemistry, 2008, 2008, 2186-2190. | 2.0 | 17 |
| 171 | Structure and negative thermal expansion of Pb1â^'xBixTiO3. Materials Letters, 2008, 62, 4585-4587. | 2.6 | 17 |
| 172 | A Simple Oxidation Route to Prepare Pseudobrookite from Panzhihua Raw Ilmenite. Journal of the American Ceramic Society, 2010, 93, 2968-2971. | 3.8 | 17 |
| 173 | Ferroelectric and ferromagnetic properties of Pb(Ti0.8Fe0.2)O3â^'Î´ thin film. Dalton Transactions, 2010, 39, 9952. | 3.3 | 17 |
| 174 | First-principles study on negative thermal expansion of PbTiO3. Applied Physics Letters, 2013, 103, . | 3.3 | 17 |
| 175 | Large remanent polarization and small leakage in solâ€"gel derived Bi(Zn<sub>1/2</sub>Zr<sub>1/2</sub>)O<sub>3</sub>â€"PbTiO<sub>3</sub>ferroelectric thin films. Dalton Transactions, 2013, 42, 585-590. | 3.3 | 17 |
| 176 | Large remanent polarization in multiferroic NdFeO<sub>3</sub>-PbTiO<sub>3</sub> thin film. Applied Physics Letters, 2013, 103, 082904. | 3.3 | 17 |
| 177 | The electrowinning of zinc from sodium hydroxide solutions. Hydrometallurgy, 2014, 146, 59-63. | 4.3 | 17 |
| 178 | Zero thermal expansion in cubic MgZrF<sub>6</sub>. Journal of the American Ceramic Society, 2017, 100, 5385-5388. | 3.8 | 17 |
| 179 | The effect of Ni/Sn doping on the thermoelectric properties of BiSbTe polycrystalline bulks. Journal of Solid State Chemistry, 2019, 277, 175-181. | 2.9 | 17 |
| 180 | Artificial porous structure: An effective method to improve thermoelectric performance of Bi2Te3 based alloys. Journal of Solid State Chemistry, 2020, 282, 121060. | 2.9 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Achieving High Performances of Ultra-Low Thermal Expansion and High Thermal Conductivity in 0.5PbTiO<sub>3</sub>-0.5(Bi<sub>0.9</sub>La<sub>0.1</sub>)FeO<sub>3</sub>@Cu Coreâ€“Shell Composite. ACS Applied Materials & Interfaces, 2020, 12, 57228-57234. | 8.0 | 17 |
| 182 | Anharmonicity and scissoring modes in the negative thermal expansion materials <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ScF</mml:mi><mml:mn>3</mml:mn></mml:msub></mm and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaZrF</mml:mi><mml:mn>6</mml:mn></mml:msub></m Physical Review B, 2020, 101, . | 3.2 | 17 |
| 183 | Complicated magnetic structure and its strong correlation with the anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mn>3</m Physical Review B, 2020, 101, . | 3.2 | 17 |
| 184 | Defect engineering in rareâ€earthâ€doped BaTiO<sub>3</sub> ceramics: Route to highâ€temperature stability of colossal permittivity. Journal of the American Ceramic Society, 2022, 105, 5725-5737. | 3.8 | 17 |
| 185 | BiFeO<sub>3</sub>-doped (Na<sub>0.5</sub>K<sub>0.5</sub>)NbO<sub>3</sub>lead-free piezoelectric ceramics. Science and Technology of Advanced Materials, 2008, 9, 025004. | 6.1 | 16 |
| 186 | Temperature dependences of the ferroelectric and dielectric properties of high curie temperature PbTiO3â€“BiScO3â€“Bi(Zn1/2Zr1/2)O3. Materials Research Bulletin, 2013, 48, 2006-2009. | 5.2 | 16 |
| 187 | Lattice distortion and orbital hybridization in NdFeO<sub>3</sub>â€“PbTiO<sub>3</sub> ferroelectric thin films. Dalton Transactions, 2016, 45, 1554-1559. | 3.3 | 16 |
| 188 | Isotropic Zero Thermal Expansion and Local Vibrational Dynamics in (Sc,Fe)F<sub>3</sub>. Inorganic Chemistry, 2017, 56, 10840-10843. | 4.0 | 16 |
| 189 | Spring-like motion caused large anisotropic thermal expansion in nonporous M(eim)<sub>2</sub>(M =) Tj ETQq1 1 0.784314 rgBT /O | 2.8 | 16 |
| 190 | Structural Correlation to Piezoelectric and Ferroelectric Mechanisms in Rhombohedral Pb(Zr,Ti)O<sub>3</sub> Ceramics by in-Situ Synchrotron Diffraction. Inorganic Chemistry, 2018, 57, 3002-3007. | 4.0 | 16 |
| 191 | Enhanced thermoelectric performance in BiCuSeO oxyselenides via Ba/Te dual-site substitution and 3D modulation doping. Journal of Solid State Chemistry, 2018, 266, 297-303. | 2.9 | 16 |
| 192 | Magnetic-Field-Induced Strong Negative Thermal Expansion in La(Fe,Al)<sub>13</sub>. Chemistry of Materials, 2020, 32, 7535-7541. | 6.7 | 16 |
| 193 | Synthesis and characterization of (Zn, Mn)TiO3 by modified solâ€“gel route. Journal of Alloys and Compounds, 2008, 456, 353-357. | 5.5 | 15 |
| 194 | Controllable negative thermal expansion, ferroelectric and semiconducting properties in PbTiO<sub>3</sub>â€“Bi(Co<sub>2/3</sub>Nb<sub>1/3</sub>)O<sub>3</sub> solid solutions. Journal of Materials Chemistry C, 2017, 5, 931-936. | 5.5 | 15 |
| 195 | Large spontaneous polarization in polar perovskites of PbTiO<sub>3</sub>â€“Bi(Zn<sub>1/2</sub>Ti<sub>1/2</sub>)O<sub>3</sub>. Inorganic Chemistry Frontiers, 2018, 5, 1277-1281. | 6.0 | 15 |
| 196 | Structure and excellent visible light catalysis of Prussian blue analogues BiFe(CN)<sub>6</sub>Â·4H<sub>2</sub>O. Inorganic Chemistry Frontiers, 2018, 5, 438-445. | 6.0 | 15 |
| 197 | Controllable thermal expansion and magnetic structure in Er<sub>2</sub>(Fe,Co)<sub>14</sub>B intermetallic compounds. Inorganic Chemistry Frontiers, 2019, 6, 3225-3229. | 6.0 | 15 |
| 198 | Melting of dxy Orbital Ordering Accompanied by Suppression of Giant Tetragonal Distortion and Insulator-to-Metal Transition in Cr-Substituted PbVO3. Chemistry of Materials, 2019, 31, 1352-1358. | 6.7 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Facile Synthesis of Dicelike Cobalt Squarate Cages through a Spontaneous Dissolutionâ€“Regrowth Process. Chemistry of Materials, 2020, 32, 6765-6771. | 6.7 | 15 |
| 200 | Molecular Packing-Dependent Thermal Expansion Behaviors in Metal Squarate Frameworks. Chemistry of Materials, 2020, 32, 2893-2898. | 6.7 | 15 |
| 201 | Superconductivity in Co-Layered LaCoSi. Inorganic Chemistry, 2021, 60, 6157-6161. | 4.0 | 15 |
| 202 | Influence of Phase Transitions on Electrostrictive and Piezoelectric Characteristics in PMNâ€“30PT Single Crystals. ACS Applied Materials & Interfaces, 2021, 13, 38467-38476. | 8.0 | 15 |
| 203 | Design of zero thermal expansion and high thermal conductivity in machinable xLFCS/Cu metal matrix composites. Composites Part B: Engineering, 2022, 238, 109883. | 12.0 | 15 |
| 204 | Achieving Ultrahigh Photocurrent Density of Mg/Mn-Modified KNbO<sub>3</sub> Ferroelectric Semiconductors by Bandgap Engineering and Polarization Maintenance. Chemistry of Materials, 2022, 34, 4274-4285. | 6.7 | 15 |
| 205 | Structural investigations on ferroelectric Pb1â^'3/2xLaxTiO3 using the x-ray Rietveld method. Journal of Materials Research, 2004, 19, 3614-3619. | 2.6 | 14 |
| 206 | Thermal expansions of ceramics in the system Pb1â^'x(La1/2K1/2)xTiO3. Journal of Alloys and Compounds, 2004, 372, 259-266. | 5.5 | 14 |
| 207 | Negative thermal expansion in the PbTi<sub>1â€“x</sub>Fe<sub>x</sub> O<sub>3</sub> system. Physica Status Solidi (B): Basic Research, 2008, 245, 2520-2523. | 1.5 | 14 |
| 208 | Oxidation Behavior and Mechanism of Pentlandite at 973ÂK (700ÂÂ°C) in Air. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 494-502. | 2.1 | 14 |
| 209 | Phase transition and negative thermal expansion in orthorhombic Dy<sub>2</sub>W<sub>3</sub>O<sub>12</sub>. RSC Advances, 2016, 6, 96275-96280. | 3.6 | 14 |
| 210 | The Distortionâ€Adjusted Change of Thermal Expansion Behavior of Cubic Magnetic Semiconductor (Sc) Tj ETQq0 0 0 rgBT /Overlock 10 | 3.8 | 14 |
| 211 | Giant Polarization and High Temperature Monoclinic Phase in a Lead-Free Perovskite of Bi(Zn<sub>0.5</sub>Ti<sub>0.5</sub>)O<sub>3</sub>-BiFeO<sub>3</sub>. Inorganic Chemistry, 2016, 55, 9513-9516. | 4.0 | 14 |
| 212 | Growth, microstructure, energyâ€“storage and dielectric performances of chemicalâ€“solution NBTâ€“based thin films: Effect of sodium nonstoichimometry. Ceramics International, 2018, 44, 9152-9158. | 4.8 | 14 |
| 213 | Negative Thermal Expansion in Nanosolids. Accounts of Chemical Research, 2019, 52, 2694-2702. | 15.6 | 14 |
| 214 | Pronounced Negative Thermal Expansion in Lead-Free BiCoO<sub>3</sub>-Based Ferroelectrics Triggered by the Stabilized Perovskite Structure. Chemistry of Materials, 2019, 31, 6187-6192. | 6.7 | 14 |
| 215 | Negative Thermal Expansion in (Hf,Ti)Fe<sub>2</sub> Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. Inorganic Chemistry, 2019, 58, 5380-5383. | 4.0 | 14 |
| 216 | Ferroelectric and piezoelectric properties of 0.82(Bi0.5Na0.5) TiO3-(0.18-x)BaTiO3-x(Bi0.5Na0.5)(Mn1/3Nb2/3)O3 lead-free ceramics. Journal of Alloys and Compounds, 2019, 774, 948-953. | 5.5 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Negative Thermal Expansion in Lead-Free La-Substituted Bi<sub>0.5</sub>Na<sub>0.5</sub>VO<sub>3</sub>. Chemistry of Materials, 2020, 32, 4832-4837. | 6.7 | 14 |
| 218 | Systematic study of structure and piezoelectric properties of Pb(Ni<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€PbTiO<sub>3</sub> by in situ synchrotron diffraction. Journal of the American Ceramic Society, 2021, 104, 604-612. | 3.8 | 14 |
| 219 | Negative thermal expansion in YbMn2Ge2 induced by the dual effect of magnetism and valence transition. Npj Quantum Materials, 2021, 6, . | 5.2 | 14 |
| 220 | Origin and Absence of Giant Negative Thermal Expansion in Reduced and Oxidized Ca2RuO4. Chemistry of Materials, 0, , . | 6.7 | 14 |
| 221 | Bi-O covalency in PbTiO3-BiInO3 with enhanced ferroelectric properties: Synchrotron radiation diffraction and first-principles study. Applied Physics Letters, 2014, 104, . | 3.3 | 13 |
| 222 | Zero Thermal Expansion and Semiconducting Properties in PbTiO<sub>3</sub>â€“Bi(Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td | 4.0 | 13 |
| 223 | Editorial: Towards the Control of Thermal Expansion: From 1996 to Today. Frontiers in Chemistry, 2019, 7, 284. | 3.6 | 13 |
| 224 | Structural origin of size effect on piezoelectric performance of Pb(Zr,Ti)O3. Ceramics International, 2021, 47, 5256-5264. | 4.8 | 13 |
| 225 | Structural origin for the high piezoelectric performance of (Na0.5Bi0.5)TiO3-BaTiO3-BiAlO3 lead-free ceramics. Acta Materialia, 2021, 218, 117202. | 7.9 | 13 |
| 226 | Role of oxygen vacancies in colossal polarization in SmFeO <sub>3â^'Î´</sub> thin films. Science Advances, 2022, 8, eabm8550. | 10.3 | 13 |
| 227 | Cation ordering in the microwave dielectric ceramic BaCd1/3Nb2/3O3. Scripta Materialia, 2007, 56, 65-68. | 5.2 | 12 |
| 228 | Piezoelectric and ferroelectric properties of 0.96(Na,K)(Nb0.9Ta0.1)O3â€“0.04LiSbO3 ceramics synthesized by molten salt method. Journal of Alloys and Compounds, 2009, 471, 428-431. | 5.5 | 12 |
| 229 | Effects of Al substitution on the spontaneous polarization and lattice dynamics of the PbTi1â^'xAlxO3. Dalton Transactions, 2010, 39, 5183. | 3.3 | 12 |
| 230 | Bâ€site Dopant Effect on the Thermal Expansion in the <scp>(1â€x)PbTiO<sub>3</sub>â€xBiMeO<sub>3</sub></scp> Solid Solution (<scp>Me</scp> =) Tj ETQq0 0 0 rgBT /Ov<br>3600-3603. | 3.8 | 12 |
| 231 | Facile and rapid synthesis of multiferroic TbMnO3 single crystalline. Materials Research Bulletin, 2013, 48, 4984-4988. | 5.2 | 12 |
| 232 | Thermal Expansion Anomaly in TTB Ferroelectrics: The Interplay between Framework Structure and Electric Polarization. Inorganic Chemistry, 2016, 55, 8130-8139. | 4.0 | 12 |
| 233 | Local structure and controllable thermal expansion in the solid solution (Mn<sub>1â^'x</sub>Ni<sub>x</sub>)ZrF<sub>6</sub>. Inorganic Chemistry Frontiers, 2017, 4, 343-347. | 6.0 | 12 |
| 234 | Enhancing thermoelectric and mechanical performances in BiCuSeO by increasing bond covalency and nanostructuring. Journal of Solid State Chemistry, 2018, 265, 306-313. | 2.9 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Inorganicâ€“organic hybridization induced uniaxial zero thermal expansion in MC<sub>4</sub>O<sub>4</sub> (M = Ba, Pb). Chemical Communications, 2019, 55, 4107-4110. | 4.1 | 12 |
| 236 | Boosted piezoelectricity with excellent thermal stability in tetragonal NaNbO<sub>3</sub>-based ceramics. Journal of Materials Chemistry A, 2021, 9, 2367-2374. | 10.3 | 12 |
| 237 | Magnetic enhancement and low thermal expansion of (1â^'xâ^'y)PbTiO3-xBi(Ni1/2Ti1/2)O3-yBiFeO3. Journal of Materials Chemistry, 2011, 21, 16205. | 6.7 | 11 |
| 238 | (Pb,Cd)â€“O covalency in PbTiO3â€“CdTiO3 with enhanced negative thermal expansion. Physical Chemistry Chemical Physics, 2014, 16, 5237. | 2.8 | 11 |
| 239 | Domain wall and interphase boundary motion in (1â^'x)Bi(Mg0.5Ti0.5)O3â€“xPbTiO3 near the morphotropic phase boundary. Journal of Applied Physics, 2016, 120, . | 2.5 | 11 |
| 240 | Thermal stability of n-type zone-melting Bi<sub>2</sub>(Te, Se)<sub>3</sub> alloys for thermoelectric generation. Materials Research Express, 2019, 6, 035907. | 1.6 | 11 |
| 241 | Controllable Ferromagnetism in Super-tetragonal PbTiO<sub>3</sub> through Strain Engineering. Nano Letters, 2020, 20, 881-886. | 9.1 | 11 |
| 242 | Role of tetragonal distortion on domain switching and lattice strain of piezoelectrics by in-situ synchrotron diffraction. Scripta Materialia, 2021, 194, 113627. | 5.2 | 11 |
| 243 | Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free Na<sub>1/2</sub>Bi<sub>1/2</sub>V<sub>1â€“x</sub>Ti<sub>x</sub>O<sub>3</sub> Piezoceramics. ACS Applied Materials & Interfaces, 2021, 13, 5208-5215. | 8.0 | 11 |
| 244 | Nanodomain patterns in ultra-tetragonal lead titanate (PbTiO3). Applied Physics Letters, 2020, 116, . | 3.3 | 11 |
| 245 | Mitigating the Jahn-Teller distortion driven by the spin-orbit coupling of lithium manganate cathode. Journal of Energy Chemistry, 2022, 72, 379-387. | 12.9 | 11 |
| 246 | Largeâ€Scale Synthesis of Isotropic Singleâ€Crystalline <scp><scp>ScF</scp></scp><sub>3</sub> Cubes by Hydrothermal Method. Journal of the American Ceramic Society, 2014, 97, 1386-1388. | 3.8 | 10 |
| 247 | High piezoelectric performance and temperature dependence of ferroelectric and piezoelectric properties of Bi(Mg0.5Zr0.5)O3â€“PbTiO3 near morphotropic phase boundary. Ceramics International, 2014, 40, 7723-7728. | 4.8 | 10 |
| 248 | Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze Pb2AgNb5O15. Inorganic Chemistry, 2016, 55, 2864-2869. | 4.0 | 10 |
| 249 | Local Chemical Strain in PtFe Alloy Nanoparticles. Inorganic Chemistry, 2018, 57, 10494-10497. | 4.0 | 10 |
| 250 | Multiple contributions to electrostrain in high performance PbTiO3â^'Bi(Ni1/2Hf1/2)O3 piezoceramics triggered by phase transformation. Journal of the European Ceramic Society, 2019, 39, 5277-5284. | 5.7 | 10 |
| 251 | Crystal structure and actuation mechanisms in morphotropic phase boundary Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“Pb(Zr<sub>1/2</sub>Ti<sub>1/2</sub>)O<sub>3</sub> piezoelectric ceramic. Journal of the American Ceramic Society, 2021, 104, 2621-2627. | 3.8 | 10 |
| 252 | Large piezoelectricity in NaNbO<sub>3</sub>-based lead-free ceramicsviatuning oxygen octahedral tilt. Materials Horizons, 2022, 9, 1002-1009. | 12.2 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Microstructure and Electrical Properties of (1â^'x)Bi(Li<sub>1/3</sub>Zr<sub>2/3</sub>)O<sub>3</sub>â€“xPbTiO<sub>3</sub> Piezoelectric Ceramics. Journal of the American Ceramic Society, 2010, 93, 1692-1696. | 3.8 | 9 |
| 254 | Structure and enhanced piezoelectric response by chemical doping in PbTiO3â€“PbZrO3â€“Bi(Ni1/2Ti1/2)O3. Inorganic Chemistry Communication, 2013, 31, 66-68. | 3.9 | 9 |
| 255 | Temperature-independent ferroelectric property and characterization of high-TC 0.2Bi(Mg1/2Ti1/2)O3-0.8PbTiO3 thin films. Applied Physics Letters, 2013, 103, 082902. | 3.3 | 9 |
| 256 | One step molten salt synthesis of YVO4 nanoparticles and their photocatalytic properties under UVâ€“Visible light. Inorganic Chemistry Communication, 2014, 44, 79-82. | 3.9 | 9 |
| 257 | Enhanced photocatalytic hydrogen evolution efficiency using hollow microspheres of (CuIn)<sub>x</sub>Zn<sub>2(1â^'x)</sub>S<sub>2</sub> solid solutions. Dalton Transactions, 2015, 44, 10991-10996. | 3.3 | 9 |
| 258 | Cation deficiency effect on negative thermal expansion of ferroelectric PbTiO<sub>3</sub>. Inorganic Chemistry Frontiers, 2015, 2, 1091-1094. | 6.0 | 9 |
| 259 | Phase transition and thermal expansion of Ho2W3O12. Inorganic Chemistry Communication, 2016, 73, 111-114. | 3.9 | 9 |
| 260 | Synergistic effects of Bi Deficiencies and Fe-doping on the thermoelectric properties and hardness of BiCuSeO ceramics. Journal of the Ceramic Society of Japan, 2018, 126, 699-705. | 1.1 | 9 |
| 261 | Role of â€œDumbbellâ€•Pairs of Fe in Spin Alignments and Negative Thermal Expansion of Lu<sub>2</sub>Fe<sub>17</sub>-Based Intermetallic Compounds. Inorganic Chemistry, 2020, 59, 11228-11232. | 4.0 | 9 |
| 262 | Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe <sub>10</sub> V <sub>2â^'</sub>  <sub>x</sub>  Mo  <sub>x</sub>  Compounds. CCS Chemistry, 2021, 3, 1009-1015. | 7.8 | 9 |
| 263 | Direct observation of electric field-induced tetragonal-orthorhombic phase transition in KNN-based piezoelectric ceramics via in-situ synchrotron diffraction. Scripta Materialia, 2022, 207, 114283. | 5.2 | 9 |
| 264 | High Piezoelectric Performance in Pb(Ni<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“Pb(Sc<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub>â€“PbTiO<sub> Ternary System Featuring Small Structural Distortion and Heterogeneous Domain Configuration. ACS Applied Materials & Interfaces, 2022, 14, 13528-13538. | 8.0 | 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. Journal of Materials Chemistry C, 2014, 2, 8564-8568. | 5.5 | 8 |
| 266 | Temperature dependent of thermal expansion and ferroelectric properties for BiAlO3-modified BaTiO3 lead-free ceramics. Current Applied Physics, 2014, 14, 13-17. | 2.4 | 8 |
| 267 | Controlled synthesis and properties of porous Cu/CeO2 microspheres. Materials Research Bulletin, 2015, 61, 22-25. | 5.2 | 8 |
| 268 | Metamagnetism stabilized giant magnetoelectric coupling in ferroelectric xBaTiO3â€“(1 â^' x)BiCoO3 solid solution. Physical Chemistry Chemical Physics, 2018, 20, 7021-7032. | 2.8 | 8 |
| 269 | Enhanced tetragonality and large negative thermal expansion in a new Pb/Bi-based perovskite ferroelectric of (1 â^') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (x)PbTiO<sub>3</sub>â€“xBi(Zn<sub>1/2</sub> Chemistry Frontiers, 2019, 6, 1990-1995. | 6.0 | 8 |
| 270 | Negative thermal expansion and the role of hybridization in perovskite-type PbTiO<sub>3</sub>-Bi(Cu<sub>0.5</sub>Ti<sub>0.5</sub>)O<sub>3</sub>. Inorganic Chemistry Frontiers, 2020, 7, 1190-1195. | 6.0 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | An Intriguing Polarization Configuration of Mixed Ising- and NÃ©el-Type Model in the Prototype PbZrO<sub>3</sub>-Based Antiferroelectrics. Inorganic Chemistry, 2021, 60, 3232-3237. | 4.0 | 8 |
| 272 | Critical Role of Sc Substitution in Modulating Ferroelectricity in Multiferroic LuFeO<sub>3</sub>. Nano Letters, 2021, 21, 6648-6655. | 9.1 | 8 |
| 273 | Oxygen vacancy distributions and electron localization in a CeO<sub>2</sub>(100) nanocube. Inorganic Chemistry Frontiers, 2022, 9, 275-283. | 6.0 | 8 |
| 274 | Neutron powder diffraction study and B-site ordering in microwave dielectric ceramics Ba(Ca1/3Nb2/3)O3. Solid State Sciences, 2009, 11, 170-175. | 3.2 | 7 |
| 275 | Rapid synthesis, structure and photocatalysis of pure bismuth A-site perovskite of Bi(Mg<sub>3/8</sub>Fe<sub>2/8</sub>Ti<sub>3/8</sub>)O<sub>3</sub>. Dalton Transactions, 2014, 43, 9255-9259. | 3.3 | 7 |
| 276 | Low temperature molten salt synthesis of perovskite-type ACeO3(A=Sr, Ba) in eutectic NaCl-KCl. Chemical Research in Chinese Universities, 2015, 31, 342-346. | 2.6 | 7 |
| 277 | Well-saturated ferroelectric polarization in PbTiO3â€“SmFeO3 thin films. Inorganic Chemistry Frontiers, 2016, 3, 1473-1479. | 6.0 | 7 |
| 278 | Large piezoelectricity and potentially activated polarization reorientation around relaxor MPB in complex perovskite. Journal of the European Ceramic Society, 2022, 42, 112-118. | 5.7 | 7 |
| 279 | High piezoelectric and mechanical performances in multiferroic (1â^'xâ^'y)PbTiO3-xBi(Ni1/2Ti1/2)O3-yBiScO3. Journal of Materials Chemistry, 2012, 22, 6311. | 6.7 | 6 |
| 280 | Facile molten salt synthesis of ordered perovskite Ba(Sr1/3Nb2/3)O3 powders. Inorganic Chemistry Communication, 2012, 21, 92-95. | 3.9 | 6 |
| 281 | Phase evolution and photoluminescence enhancement of CePO4 nanowires from a low phosphate concentration system. Journal of Nanoparticle Research, 2013, 15, 1. | 1.9 | 6 |
| 282 | Morphology evolution and physical properties of Bi2Mn4O10 synthesized by hydrothermal method. Journal of Crystal Growth, 2013, 380, 1-4. | 1.5 | 6 |
| 283 | Enhanced high-temperature piezoelectric properties of traditional Pb(Zr,Ti)O<sub>3</sub>ceramics by a small amount substitution of KNbO<sub>3</sub>. Materials Research Express, 2014, 1, 046301. | 1.6 | 6 |
| 284 | A low-cost and large-scale synthesis of nano-zinc oxide from smithsonite. Inorganic Chemistry Communication, 2014, 43, 138-141. | 3.9 | 6 |
| 285 | Domain-reorientation-induced polarization wake-up of PbTiO3 based ferroelectric thin films. Ceramics International, 2016, 42, 19212-19217. | 4.8 | 6 |
| 286 | Microstructure construction and composition modification of CeO<sub>2</sub> macrospheres with superior performance. Inorganic Chemistry Frontiers, 2016, 3, 92-96. | 6.0 | 6 |
| 287 | Tailoring Negative Thermal Expansion in Ferroelectric Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub> by Lone-Pair Cations. Journal of Physical Chemistry C, 2017, 121, 1832-1837. | 3.1 | 6 |
| 288 | A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in (Gd,Ho)(Co,Fe)2. Inorganic Chemistry Frontiers, 2019, 6, 3146-3151. | 6.0 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Neutron Diffraction Study of Unusual Magnetic Behaviors in the Ho2Fe11Al6 Intermetallic Compound. Inorganic Chemistry, 2019, 58, 13742-13745. | 4.0 | 6 |
| 290 | Evidence of the enhanced negative thermal expansion in (1 â˜’ x)PbTiO3-xBi(Zn2/3Ta1/3)O3. Inorganic Chemistry Frontiers, 2020, 7, 1284-1288. | 6.0 | 6 |
| 291 | Tuning thermal expansion from strong negative to zero to positive in Cu2-Zn P2O7 solid solutions. Scripta Materialia, 2022, 207, 114289. | 5.2 | 6 |
| 292 | Tolerance Factor Control of Tetragonality and Negative Thermal Expansion in PbTiO<sub>3</sub>-Based Ferroelectrics. Chemistry of Materials, 2022, 34, 2798-2803. | 6.7 | 6 |
| 293 | Evolving Differentiated Local Polar Displacement and Relaxor Behavior in Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“PbTiO<sub>3</sub> Perovskites. Chemistry of Materials, 2022, 34, 3985-3992. | 6.7 | 6 |
| 294 | Influences of oxide chemical modified on microstructure and electrical properties of PbTiO3-Bi(Ni1/2Ti1/2)O3. Inorganic Chemistry Communication, 2013, 27, 9-12. | 3.9 | 5 |
| 295 | Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN)<sub>6</sub>â€based Prussian Blue Analogue Induced by Guest Species. Angewandte Chemie, 2017, 129, 9151-9156. | 2.0 | 5 |
| 296 | Preparation and characterization of high Curie-temperature piezoelectric ceramics in a new Bi-based perovskite of (1 â˜’ x)PbTiO3-xBi(Zn1/2Hf1/2)O3. Inorganic Chemistry Frontiers, 2017, 4, 1352-1355. | 6.0 | 5 |
| 297 | Near-zero thermal expansion coordinated with geometric flexibility and Ï€â‹¯Ï€ interaction in anisotropic [Zn<sub>8</sub>(SiO<sub>4</sub>)(m-BDC)<sub>6</sub>]<sub>n</sub>. Inorganic Chemistry Frontiers, 2019, 6, 1675-1679. | 6.0 | 5 |
| 298 | Enhanced Spontaneous Polarization by V4+ Substitution in a Lead-Free Perovskite CaMnTi2O6. Inorganic Chemistry, 2020, 59, 11749-11756. | 4.0 | 5 |
| 299 | Strong Covalent Bonding for Enhanced Negative Thermal Expansion in (1 â€“) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td ( 20445-20449. | 3.1 | 5 |
| 300 | Distinct temperature behavior of the local structure of (1â€x)PbTiO 3 â€xBiNi 0.5 Ti 0.5 O 3 at the morphotropic phase boundary. Journal of Raman Spectroscopy, 2020, 51, 1200-1209. | 2.5 | 5 |
| 301 | Observation of Stabilized Monoclinic Phase as a â€œBridgeâ€•at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO<sub>3</sub> and Rhombohedral BiFeO<sub>3</sub>. Chemistry of Materials, 2020, 32, 3615-3620. | 6.7 | 5 |
| 302 | Manipulating Spin Alignments of (Y,Lu)1.7Fe17 Intermetallic Compounds via Unusual Thermal Pressure. Inorganic Chemistry, 2020, 59, 5247-5251. | 4.0 | 5 |
| 303 | Ultrafast photoinduced strain in super-tetragonal PbTiO3 ferroelectric films. Science China Materials, 2021, 64, 1679-1686. | 6.3 | 5 |
| 304 | Realization of high thermal conductivity and tunable thermal expansion in the ScF3@Cu core-shell composites. Science China Technological Sciences, 2021, 64, 2057-2065. | 4.0 | 5 |
| 305 | Revealing intrinsic and extrinsic piezoelectric contributions in phase coexistence system of PbTiO3-BiScO3. Science China Materials, 2022, 65, 170-178. | 6.3 | 5 |
| 306 | Synergy between phase transformation and domain switching in two morphotropic phase boundary ferroelectrics. Physical Review Materials, 2018, 2, . | 2.4 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Controllable Thermal Expansion and Crystal Structure of (Fe<sub>1-<i>x</i></sub>Ni<i><sub>x</sub></i>)ZrF<sub>6</sub> Solid Solutions. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 339-343. | 4.3 | 5 |
| 308 | Transformation of Thermal Expansion from Large Volume Contraction to Nonlinear Strong Negative Thermal Expansion in PbTiO<sub>3</sub>â€“Bi(Co<sub>1â€“x</sub>Fe<sub>x</sub>)O<sub>3</sub> Perovskites. ACS Applied Materials & Interfaces, 2022, 14, 23610-23616. | 8.0 | 5 |
| 309 | Effects of Subsurface Oxide on Cu<sub>1</sub>/CeO<sub>2</sub> Single-Atom Catalysts for CO Oxidation: A Theoretical Investigation. Inorganic Chemistry, 2022, 61, 10006-10014. | 4.0 | 5 |
| 310 | Neutron diffraction studies of structure and increasing splitting of LO-TO phonons in Pb1â^'xCdxTiO3. Journal of Applied Physics, 2006, 100, 074106. | 2.5 | 4 |
| 311 | Large-scale synthesis of single-crystalline platelet Bi3.25La0.75Ti3O12. Materials Letters, 2008, 62, 2332-2334. | 2.6 | 4 |
| 312 | Large scale and fast synthesis of multiferroic TbMn2O5 single-crystalline nanorods. Materials Research Bulletin, 2014, 51, 74-79. | 5.2 | 4 |
| 313 | Preparation and electrical properties of the new lead-free (1 −) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (x)Bi piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2015, 123, 1038-1042. | 1.1 | 4 |
| 314 | Tunable thermal expansion and high hardness of (0.9â^'x)PbTiO<sub>3</sub>â€“xCaTiO<sub>3</sub>â€“0.1Bi(Zn<sub>2/3</sub>Ta<sub>1/3</sub>)O<sub>3</sub> cera Inorganic Chemistry Frontiers, 2019, 6, 1068-1072. | 6.1 | 4 |
| 315 | Magnetic structure and uniaxial negative thermal expansion in antiferromagnetic CrSb. Dalton Transactions, 2020, 49, 17605-17611. | 3.3 | 4 |
| 316 | Relationship among the Crystal Structure, Texture, and Macroscopic Properties of Tetragonal (Pb,La)(Zr,Ti)O<sub>3</sub> Ferroelectrics Investigated by In Situ High-Energy Synchrotron Diffraction. Inorganic Chemistry, 2020, 59, 13632-13638. | 4.0 | 4 |
| 317 | Polarization- and Strain-Mediated Control of Negative Thermal Expansion and Ferroelasticity in BiInO<sub>3</sub>â€“BiZn<sub>1/2</sub>Ti<sub>1/2</sub>O<sub>3</sub>. Chemistry of Materials, 2021, 33, 1498-1505. | 6.7 | 4 |
| 318 | 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 |
| 319 | Growth and ferroelectric properties of solâ€“gel derived Bi(Mg1/2Zr1/2)O3â€“PbTiO3 thin films. Ceramics International, 2014, 40, 6307-6310. | 4.8 | 3 |
| 320 | Effects of <em>A</em>-Site Substitutions on Negative Thermal Expansion in PbTiO<sub>3</sub> fromFirst-Principles Calculations. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2014, 30, 1432-1436. | 4.9 | 3 |
| 321 | Structure and control of negative thermal expansion of Nd/Sm substituted 0.5PbTiO<sub>3</sub>â€“0.5BiFeO<sub>3</sub> ferroelectrics. RSC Advances, 2016, 6, 32979-32982. | 3.6 | 3 |
| 322 | Composition-induced phase evolution and high strain response in Ba(Zn1/3Nb2/3)O3-modified (Bi0.5Na0.5)TiO3-based lead-free ferroelectrics. RSC Advances, 2018, 8, 12269-12275. | 3.6 | 3 |
| 323 | Large nonlinear optical effect in tungsten bronze structuresviaLi/Na cross-substitutions. Chemical Communications, 2020, 56, 8384-8387. | 4.1 | 3 |
| 324 | Zero Thermal Expansion and Strong Covalent Binding of VB2 Compound. Inorganic Chemistry, 2021, 60, 10095-10099. | 4.0 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | Realization of Negative Thermal Expansion in Lead-Free Bi0.5K0.5VO3 by the Suppression of Tetragonality. Inorganic Chemistry, 2022, , . | 4.0 | 3 |
| 326 | Understanding the role of guest ions in the control of thermal expansion of FeFe(CN)6. Results in Physics, 2022, 36, 105410. | 4.1 | 3 |
| 327 | Molten salt synthesis and phase evolution of Ba(Cd<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>. International Journal of Materials Research, 2009, 100, 1552-1556. | 0.3 | 2 |
| 328 | Multiferroics and electronic structure of (1â^'x)PbTiO3â€“xBi(Ni1/2Ti1/2)O3 thin films. Thin Solid Films, 2013, 542, 155-159. | 1.8 | 2 |
| 329 | Defect dipole-induced domain reorientation of NdFeO<sub>3</sub>â€“PbTiO<sub>3</sub> thin films. Inorganic Chemistry Frontiers, 2018, 5, 1156-1161. | 6.0 | 2 |
| 330 | Phonon spectrum attributes for the negative thermal expansion of MZrF<sub>6</sub> (M = Ca, Mnâ€“Ni,) Tj ETQq0 0 0 rgBT /Overlock | 6.0 | 2 |
| 331 | Near-zero temperature coefficient of resistivity in LaFe9.45Al3.55 compound over 5â€“300â€‰K. Applied Physics Letters, 2020, 116, 171901. | 3.3 | 2 |
| 332 | Electric-field-recoverable large shape memory in BNT-based lead-free ceramics. Journal of Materials Chemistry C, 2021, 9, 9859-9864. | 5.5 | 2 |
| 333 | Correlation of Tunable CoSi<sub>4</sub> Tetrahedron with the Superconducting Properties of LaCoSi. Inorganic Chemistry, 2021, 60, 10880-10884. | 4.0 | 2 |
| 334 | Semi-empirical estimation for enhancing negative thermal expansion in PbTiO3-based perovskites. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 783-786. | 4.9 | 2 |
| 335 | Understanding Large Negative Thermal Expansion of NdFe(CN)<sub>6</sub> through the Electronic Structure and Lattice Dynamics. Inorganic Chemistry, 2022, 61, 7813-7819. | 4.0 | 2 |
| 336 | Anomalous dispersion X-ray diffraction study of Pb/Bi ordering/disordering states in PbTiO<sub>3</sub>-based perovskite oxides. Dalton Transactions, 2017, 46, 733-738. | 3.3 | 1 |
| 337 | In situ determination of the interplay of the structure and domain under a subcoercive field in BiScO<sub>3</sub>â€“PbTiO<sub>3</sub>. Inorganic Chemistry Frontiers, 2021, 8, 4415-4422. | 6.0 | 1 |
| 338 | Local monoclinic polarization rotation promoting a different domain alignment in rhombohedral <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Pb</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mi>Zr</mml:mi><mml:mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> ferroelectrics. Physical Review B, 2022, 105, . | 3.2 | |
| 339 | Crystal structure of microwave dielectric ceramics Ba[(Mg1â^'xCdx)0.33Nb0.67]O3. Powder Diffraction, 2007, 22, 295-299. | 0.2 | 0 |
| 340 | Chemical renormalization of the paraelectricâ€“ferroelectric phase transition in PbTiO 3 - BiB 0.5 â€² B 0.5 â€³ O 3 solid solutions with tetragonal symmetry. Applied Physics Letters, 2020, 117, 022904. | 3.3 | 0 |
| 341 | Structure and good piezoelectric performance in the complex system of Pb[(Zn,Ni)Nb]O3â€“Pb[(In,Yb)Nb]O3â€“Pb(Zr,Hf,Ti)O3. Journal of Applied Physics, 2020, 128, 024101. | 2.5 | 0 |
| 342 | Biaxial negative thermal expansion in Zn[N(CN)<sub>2</sub>]<sub>2</sub>. Inorganic Chemistry Frontiers, 0, , . | 6.0 | 0 |