

# Jun Chen

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5903911/jun-chen-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

323  
papers

9,950  
citations

47  
h-index

89  
g-index

348  
ext. papers

11,932  
ext. citations

7.8  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
323	Manipulating Stable Layered P2-Type Cathode via a Co-Substitution Strategy for High Performance Sodium Ion Batteries.. <i>Small Methods</i> , <b>2022</b> , e2101292	12.8	5
322	Direct observation of electric field-induced tetragonal-orthorhombic phase transition in KNN-based piezoelectric ceramics via in-situ synchrotron diffraction. <i>Scripta Materialia</i> , <b>2022</b> , 207, 114283	5.6	0
321	Tuning thermal expansion from strong negative to zero to positive in Cu <sub>2-x</sub> Zn <sub>x</sub> P <sub>2</sub> O <sub>7</sub> solid solutions. <i>Scripta Materialia</i> , <b>2022</b> , 207, 114289	5.6	0
320	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. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 7238-7250	13	2
319	Tolerance Factor Control of Tetragonality and Negative Thermal Expansion in PbTiO <sub>3</sub> -Based Ferroelectrics. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2798-2803	9.6	0
318	Role of oxygen vacancies in colossal polarization in SmFeO thin films.. <i>Science Advances</i> , <b>2022</b> , 8, eabm8550	15.3	2
317	Semi-empirical estimation for enhancing negative thermal expansion in PbTiO <sub>3</sub> -based perovskites. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2022</b> , 29, 783-786	3.1	1
316	Understanding the role of guest ions in the control of thermal expansion of FeFe(CN) <sub>6</sub> . <i>Results in Physics</i> , <b>2022</b> , 36, 105410	3.7	0
315	High-electromechanical performance for high-power piezoelectric applications: Fundamental, progress, and perspective. <i>Progress in Materials Science</i> , <b>2022</b> , 127, 100944	42.2	4
314	Design of zero thermal expansion and high thermal conductivity in machinable xLFCS/Cu metal matrix composites. <i>Composites Part B: Engineering</i> , <b>2022</b> , 238, 109883	10	0
313	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al) <sub>13</sub> . <i>Science China Materials</i> , <b>2021</b> , 64, 1238-1245	7.1	3
312	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe <sub>10</sub> V <sub>2</sub> Mo <sub>x</sub> Compounds. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1009-1015	7.2	6
311	Strong Room-Temperature Ferroelectricity in Strained SrTiO <sub>3</sub> Homoepitaxial Film. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008316	24	10
310	Chemical-Pressure-Modulated BaTiO <sub>3</sub> Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6491-6497	16.4	14
309	Superconductivity in Co-Layered LaCoSi. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 6157-6161	5.1	3
308	Simultaneously enhancing piezoelectric performance and thermal depolarization in lead-free (Bi,Na)TiO <sub>3</sub> -BaTiO <sub>3</sub> via introducing oxygen-defect perovskites. <i>Acta Materialia</i> , <b>2021</b> , 208, 116711	8.4	7
307	Negative thermal expansion in YbMn <sub>2</sub> Ge <sub>2</sub> induced by the dual effect of magnetism and valence transition. <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	2

306	Negative thermal expansion in magnetic materials. <i>Progress in Materials Science</i> , <b>2021</b> , 121, 100835	42.2	13
305	Zero Thermal Expansion and Strong Covalent Binding of VB Compound. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 10095-10099	5.1	1
304	Systematic study of structure and piezoelectric properties of $\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - $\text{PbTiO}_3$ by in situ synchrotron diffraction. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 604-612	3.8	2
303	A comprehensive understanding of the anionic redox chemistry in layered oxide cathodes for sodium-ion batteries. <i>Science China Chemistry</i> , <b>2021</b> , 64, 385-402	7.9	15
302	Role of tetragonal distortion on domain switching and lattice strain of piezoelectrics by in-situ synchrotron diffraction. <i>Scripta Materialia</i> , <b>2021</b> , 194, 113627	5.6	2
301	Structural origin of size effect on piezoelectric performance of $\text{Pb}(\text{Zr,Ti})\text{O}_3$ . <i>Ceramics International</i> , <b>2021</b> , 47, 5256-5264	5.1	4
300	Electric-field-recoverable large shape memory in BNT-based lead-free ceramics. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 9859-9864	7.1	1
299	Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free $\text{NaBiVTiO}$ Piezoceramics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 5208-5215	9.5	5
298	Boosted piezoelectricity with excellent thermal stability in tetragonal $\text{NaNbO}_3$ -based ceramics. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2367-2374	13	3
297	Polarization- and Strain-Mediated Control of Negative Thermal Expansion and Ferroelasticity in $\text{BiInO}_3\text{BiZn}_{1/2}\text{Ti}_{1/2}\text{O}_3$ . <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1498-1505	9.6	1
296	Ultrafast photoinduced strain in super-tetragonal $\text{PbTiO}_3$ ferroelectric films. <i>Science China Materials</i> , <b>2021</b> , 64, 1679-1686	7.1	0
295	An Intriguing Polarization Configuration of Mixed Ising- and NÉl-Type Model in the Prototype $\text{PbZrO}$ -Based Antiferroelectrics. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3232-3237	5.1	2
294	Strong Negative Thermal Expansion of $\text{Cu}_2\text{PVO}_7$ in a Wide Temperature Range. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 1321-1329	9.6	7
293	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> , <b>2021</b> , 104, 2621-2627	3.8	1
292	Ultrawide Temperature Range Super-Invar Behavior of $\text{R}_{\{2\}}(\text{Fe,Co})_{\{17\}}$ Materials (R = Rare Earth). <i>Physical Review Letters</i> , <b>2021</b> , 127, 055501	7.4	3
291	Correlation of Tunable $\text{CoSi}$ Tetrahedron with the Superconducting Properties of $\text{LaCoSi}$ . <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 10880-10884	5.1	1
290	Critical Role of Sc Substitution in Modulating Ferroelectricity in Multiferroic $\text{LuFeO}$ . <i>Nano Letters</i> , <b>2021</b> , 21, 6648-6655	11.5	2
289	Realization of high thermal conductivity and tunable thermal expansion in the $\text{ScF}_3$ @ $\text{Cu}$ core-shell composites. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 2057-2065	3.5	1

288	Plastic and low-cost axial zero thermal expansion alloy by a natural dual-phase composite. <i>Nature Communications</i> , <b>2021</b> , 12, 4701	17.4	4
287	Influence of Phase Transitions on Electrostrictive and Piezoelectric Characteristics in PMN-30PT Single Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38467-38476	9.5	4
286	Large piezoelectricity and potentially activated polarization reorientation around relaxor MPB in complex perovskite. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 42, 112-112	6	0
285	Structural origin for the high piezoelectric performance of (Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> -BaTiO <sub>3</sub> -BiAlO <sub>3</sub> lead-free ceramics. <i>Acta Materialia</i> , <b>2021</b> , 218, 117202	8.4	3
284	Negative thermal expansion in framework structure materials. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 449, 214204	23.2	11
283	In situ determination of the interplay of the structure and domain under a subcoercive field in BiScO <sub>3</sub> BbTiO <sub>3</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 4415-4422	6.8	
282	Achieving High Performances of Ultra-Low Thermal Expansion and High Thermal Conductivity in 0.5PbTiO-0.5(BiLa)FeO@Cu Core-Shell Composite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57228-57234	9.5	5
281	Chemical renormalization of the paraelectric/ferroelectric phase transition in PbTiO <sub>3</sub> - Bi <sub>0.5</sub> ? B <sub>0.5</sub> ? O <sub>3</sub> solid solutions with tetragonal symmetry. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 022904	3.4	
280	Distinct temperature behavior of the local structure of (1-x)PbTiO <sub>3</sub> -xBiNi <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> at the morphotropic phase boundary. <i>Journal of Raman Spectroscopy</i> , <b>2020</b> , 51, 1200-1209	2.3	2
279	Negative Thermal Expansion in Lead-Free La-Substituted Bi <sub>0.5</sub> Na <sub>0.5</sub> VO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4832-4837	9.6	4
278	Realizing isotropic negative thermal expansion covering room temperature by breaking the superstructure of ZrV <sub>2</sub> O <sub>7</sub> . <i>Applied Physics Letters</i> , <b>2020</b> , 116, 181902	3.4	12
277	Large nonlinear optical effect in tungsten bronze structures via Li/Na cross-substitutions. <i>Chemical Communications</i> , <b>2020</b> , 56, 8384-8387	5.8	1
276	Large isotropic negative thermal expansion in water-free Prussian blue analogues of ScCo(CN) <sub>6</sub> . <i>Scripta Materialia</i> , <b>2020</b> , 187, 119-124	5.6	17
275	Urchin-Like Fe Se Hierarchitectures: A Novel Pseudocapacitive Sodium-Ion Storage Anode with Prominent Rate and Cycling Properties. <i>Small</i> , <b>2020</b> , 16, e2000504	11	20
274	Molecular Packing-Dependent Thermal Expansion Behaviors in Metal Squarate Frameworks. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2893-2898	9.6	6
273	Strong Second Harmonic Generation in a Tungsten Bronze Oxide by Enhancing Local Structural Distortion. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7480-7486	16.4	18
272	Discovering Large Isotropic Negative Thermal Expansion in Framework Compound AgB(CN) <sub>6</sub> via the Concept of Average Atomic Volume. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6935-6939	16.4	37
271	Structure and good piezoelectric performance in the complex system of Pb[(Zn,Ni)Nb]O <sub>3</sub> Bb[(In,Yb)Nb]O <sub>3</sub> Bb(Zr,Hf,Ti)O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 024101	2.5	

270	A Novel NASICON-Type Na MnCr(PO <sub>4</sub> ) <sub>3</sub> Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906348	24	66
269	Anharmonicity and scissoring modes in the negative thermal expansion materials ScF <sub>3</sub> and CaZrF <sub>6</sub> . <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	8
268	Evidence of the enhanced negative thermal expansion in (1-x)PbTiO <sub>3</sub> -xBi(Zn <sub>2</sub> /3Ta <sub>1</sub> /3)O <sub>3</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1284-1288	6.8	4
267	Transforming Thermal Expansion from Positive to Negative: The Case of Cubic Magnetic Compounds of (Zr,Nb)Fe. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1954-1961	6.4	9
266	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5731-5741	16.4	20
265	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> . <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 1190-1195	6.8	7
264	Strong Negative Thermal Expansion in a Low-Cost and Facile Oxide of CuPO. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 3088-3093	16.4	27
263	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. <i>Materials Horizons</i> , <b>2020</b> , 7, 1912-1918	14.4	16
262	Observation of Stabilized Monoclinic Phase as a Bridge at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO <sub>3</sub> and Rhombohedral BiFeO <sub>3</sub> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 3615-3620	9.6	3
261	Manipulating Spin Alignments of (Y,Lu)Fe Intermetallic Compounds via Unusual Thermal Pressure. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5247-5251	5.1	3
260	Near-zero temperature coefficient of resistivity in LaFe <sub>9.45</sub> Al <sub>3.55</sub> compound over 500 K. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 171901	3.4	1
259	Complicated magnetic structure and its strong correlation with the anomalous Hall effect in Mn <sub>3</sub> Sn. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	5
258	Nanodomain patterns in ultra-tetragonal lead titanate (PbTiO <sub>3</sub> ). <i>Applied Physics Letters</i> , <b>2020</b> , 116, 182903	9.4	5
257	Complex phase transitions and associated electrocaloric effects in different oriented PMN-30PT single crystals under multi-fields of electric field and temperature. <i>Acta Materialia</i> , <b>2020</b> , 182, 250-256	8.4	17
256	Controllable Ferromagnetism in Super-tetragonal PbTiO through Strain Engineering. <i>Nano Letters</i> , <b>2020</b> , 20, 881-886	11.5	6
255	Electric-field-induced structure and domain texture evolution in PbZrO <sub>3</sub> -based antiferroelectric by in-situ high-energy synchrotron X-ray diffraction. <i>Acta Materialia</i> , <b>2020</b> , 184, 41-49	8.4	17
254	Hierarchical Engineering of Porous P2-Na <sub>2</sub> /3Ni <sub>1</sub> /3Mn <sub>2</sub> /3O <sub>2</sub> Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907837	15.6	64
253	Artificial porous structure: An effective method to improve thermoelectric performance of Bi <sub>2</sub> Te <sub>3</sub> based alloys. <i>Journal of Solid State Chemistry</i> , <b>2020</b> , 282, 121060	3.3	9

252	Effect of HO Molecules on Thermal Expansion of TiCo(CN). <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14852-14855	5.1	8
251	Magnetic structure and uniaxial negative thermal expansion in antiferromagnetic CrSb. <i>Dalton Transactions</i> , <b>2020</b> , 49, 17605-17611	4.3	0
250	Enhanced Spontaneous Polarization by V Substitution in a Lead-Free Perovskite CaMnTiO. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11749-11756	5.1	2
249	Negative and zero thermal expansion in $\chi$ (CuZn)VO solid solutions. <i>Chemical Communications</i> , <b>2020</b> , 56, 10666-10669	5.8	9
248	Facile Synthesis of Diclke Cobalt Squarate Cages through a Spontaneous Dissolution/Regrowth Process. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6765-6771	9.6	8
247	Magnetic-Field-Induced Strong Negative Thermal Expansion in La(Fe,Al) <sub>13</sub> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 7535-7541	9.6	10
246	Negative-Pressure-Induced Large Polarization in Nanosized PbTiO. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002968	9.6	7
245	High performance and low thermal expansion in Er-Fe-V-Mo dual-phase alloys. <i>Acta Materialia</i> , <b>2020</b> , 198, 271-280	8.4	8
244	Relationship among the Crystal Structure, Texture, and Macroscopic Properties of Tetragonal (Pb,La)(Zr,Ti)O Ferroelectrics Investigated by In Situ High-Energy Synchrotron Diffraction. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 13632-13638	5.1	3
243	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> , <b>2020</b> , 7, 2002199	13.6	26
242	Role of "Dumbbell" Pairs of Fe in Spin Alignments and Negative Thermal Expansion of LuFe-Based Intermetallic Compounds. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11228-11232	5.1	4
241	Strong Covalent Bonding for Enhanced Negative Thermal Expansion in (1-x)PbTiO <sub>3</sub> xBiGaO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 20445-20449	3.8	3
240	Pseudo-Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004302	15.6	70
239	Negative thermal expansion in (Sc,Ti)Fe <sub>2</sub> induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , <b>2020</b> , 7, 275-281	14.4	17
238	Tetragonal phase and enhanced depolarization temperature in Ba-rich (Bi,Na)TiO <sub>3</sub> BaTiO <sub>3</sub> lead-free piezoelectrics. <i>Ceramics International</i> , <b>2020</b> , 46, 3708-3714	5.1	7
237	Preparation, Structure, and enhanced thermoelectric properties of Sm-doped BiCuSeO oxyselenide. <i>Materials and Design</i> , <b>2020</b> , 185, 108263	8.1	13
236	A case of multifunctional intermetallic compounds: negative thermal expansion coupling with magnetocaloric effect in (Gd,Ho)(Co,Fe) <sub>2</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 3146-3151	6.8	4
235	Neutron Diffraction Study of Unusual Magnetic Behaviors in the HoFeAl Intermetallic Compound. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 13742-13745	5.1	5

234	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO <sub>3</sub> -Based Perovskites. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1296-1303	9.6	22
233	The effect of Ni/Sn doping on the thermoelectric properties of BiSbTe polycrystalline bulks. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 277, 175-181	3.3	12
232	Enhanced tetragonality and large negative thermal expansion in a new Pb/Bi-based perovskite ferroelectric of (1-x)PbTiO <sub>3</sub> -xBi(Zn <sub>1/2</sub> V <sub>1/2</sub> )O <sub>3</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1990-1995	6.8	5
231	Understanding the superior sodium-ion storage in a novel Na <sub>3.5</sub> Mn <sub>0.5</sub> V <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> cathode. <i>Energy Storage Materials</i> , <b>2019</b> , 23, 25-34	19.4	40
230	Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting KTiF:Mn for White-Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20143-20149	9.5	17
229	Near-zero thermal expansion coordinated with geometric flexibility and π-Interaction in anisotropic [Zn <sub>8</sub> (SiO <sub>4</sub> )(m-BDC) <sub>6</sub> ] <sub>n</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1675-1679	6.8	3
228	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo-Based Intermetallic Compounds (R = Rare Earth). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5401-5405	5.1	6
227	Tunable thermal expansion and high hardness of (0.9-x)PbTiO <sub>3</sub> -xCaTiO <sub>3</sub> -0.1Bi(Zn <sub>2/3</sub> Ta <sub>1/3</sub> )O <sub>3</sub> ceramics. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1068-1072	6.8	3
226	Inorganic-organic hybridization induced uniaxial zero thermal expansion in MCO (M = Ba, Pb). <i>Chemical Communications</i> , <b>2019</b> , 55, 4107-4110	5.8	8
225	Negative Thermal Expansion in (Hf,Ti)Fe Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5380-5383	5.1	7
224	Negative thermal expansion in cubic FeFe(CN) Prussian blue analogues. <i>Dalton Transactions</i> , <b>2019</b> , 48, 3658-3663	4.3	20
223	Negative Thermal Expansion in Nanosolids. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2694-2702	24.3	6
222	Multiple contributions to electrostrain in high performance PbTiO <sub>3</sub> Bi(Ni <sub>1/2</sub> Hf <sub>1/2</sub> )O <sub>3</sub> piezoceramics triggered by phase transformation. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 5277-5284	6	5
221	Pronounced Negative Thermal Expansion in Lead-Free BiCoO <sub>3</sub> -Based Ferroelectrics Triggered by the Stabilized Perovskite Structure. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6187-6192	9.6	7
220	Phonon spectrum attributes for the negative thermal expansion of MZrF <sub>6</sub> (M = Ca, Mn, Ni, Zn). <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1022-1028	6.8	0
219	Controllable thermal expansion and magnetic structure in Er <sub>2</sub> (Fe,Co) <sub>14</sub> B intermetallic compounds. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 3225-3229	6.8	6
218	Characterization and high piezoelectric performance of Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> Bb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> BbTiO <sub>3</sub> ternary ceramics. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 3070-3076	6.8	8
217	Enhanced thermoelectric properties in BiCuSeO ceramics by Pb/Ni dual doping and 3D modulation doping. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 271, 1-7	3.3	14

216	Enhanced Temperature Stability and Defect Mechanism of BNT-Based Lead-Free Piezoceramics Investigated by a Quenching Process. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800756	6.4	40
215	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> , <b>2019</b> , 39, 994-1001	6	27
214	Melting of dxy Orbital Ordering Accompanied by Suppression of Giant Tetragonal Distortion and Insulator-to-Metal Transition in Cr-Substituted $\text{PbVO}_3$ . <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1352-1358	9.6	12
213	Thermal stability of n-type zone-melting $\text{Bi}_2(\text{Te, Se})_3$ alloys for thermoelectric generation. <i>Materials Research Express</i> , <b>2019</b> , 6, 035907	1.7	6
212	Enhanced thermoelectric performances in $\text{BiCuSeO}$ oxyselenides via Er and 3D modulation doping. <i>Ceramics International</i> , <b>2019</b> , 45, 4493-4498	5.1	19
211	Ferroelectric and piezoelectric properties of $0.82(\text{Bi}0.5\text{Na}0.5)\text{TiO}_3-(0.18-x)\text{BaTiO}_3-x(\text{Bi}0.5\text{Na}0.5)(\text{Mn}1/3\text{Nb}2/3)\text{O}_3$ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 774, 948-953	5.7	13
210	Structural Correlation to Piezoelectric and Ferroelectric Mechanisms in Rhombohedral $\text{Pb}(\text{Zr,Ti})\text{O}$ Ceramics by in-Situ Synchrotron Diffraction. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3002-3007	5.1	12
209	Negative thermal expansion in molecular materials. <i>Chemical Communications</i> , <b>2018</b> , 54, 5164-5176	5.8	63
208	Growth, microstructure, energy storage and dielectric performances of chemical solution NBT based thin films: Effect of sodium nonstoichiometry. <i>Ceramics International</i> , <b>2018</b> , 44, 9152-9158	5.1	7
207	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped $\text{BiFeO}_3$ based ferroelectric thin films. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 742, 351-355	5.7	17
206	Metamagnetism stabilized giant magnetoelectric coupling in ferroelectric $x\text{BaTiO}_3-(1-x)\text{BiCoO}$ solid solution. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 7021-7032	3.6	4
205	A New Insight into Cross-Sensitivity to Humidity of $\text{SnO}$ Sensor. <i>Small</i> , <b>2018</b> , 14, e1703974	11	28
204	Role of Reversible Phase Transformation for Strong Piezoelectric Performance at the Morphotropic Phase Boundary. <i>Physical Review Letters</i> , <b>2018</b> , 120, 055501	7.4	47
203	Effect of Ba and Pb dual doping on the thermoelectric properties of $\text{BiCuSeO}$ ceramics. <i>Materials Letters</i> , <b>2018</b> , 217, 189-193	3.3	21
202	Structure and Phase Transformation in the Giant Magnetostriction Laves-Phase $\text{SmFe}$ . <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 689-694	5.1	15
201	Zero Thermal Expansion in Magnetic and Metallic $\text{Tb}(\text{Co,Fe})$ Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 602-605	16.4	54
200	Effect of synthesis processes on the thermoelectric properties of $\text{BiCuSeO}$ oxyselenides. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 754, 131-138	5.7	12
199	Composition-induced phase evolution and high strain response in $\text{Ba}(\text{ZnNb})\text{O}$ -modified $(\text{BiNa})\text{TiO}$ -based lead-free ferroelectrics. <i>RSC Advances</i> , <b>2018</b> , 8, 12269-12275	3.7	2



198	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> , <b>2018</b> , 5, 1277-1281	6.8	7
197	Localized Symmetry Breaking for Tuning Thermal Expansion in ScF Nanoscale Frameworks. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 4477-4480	16.4	26
196	Defect dipole-induced domain reorientation of $\text{NdFeO}_3/\text{PbTiO}_3$ thin films. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1156-1161	6.8	2
195	Enhanced thermoelectric performance in $\text{BiCuSeO}$ oxyselenides via Ba/Te dual-site substitution and 3D modulation doping. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 266, 297-303	3.3	8
194	3D negative thermal expansion in orthorhombic MIL-68(In). <i>Chemical Communications</i> , <b>2018</b> , 54, 5712-5714	8	21
193	Low-Frequency Phonon Driven Negative Thermal Expansion in Cubic $\text{GaFe}(\text{CN})$ Prussian Blue Analogues. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10918-10924	5.1	19
192	Twin Crystal Induced near Zero Thermal Expansion in $\text{SnO}$ Nanowires. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7403-7406	16.4	21
191	Enhancing thermoelectric and mechanical performances in $\text{BiCuSeO}$ by increasing bond covalency and nanostructuring. <i>Journal of Solid State Chemistry</i> , <b>2018</b> , 265, 306-313	3.3	8
190	Synergy between phase transformation and domain switching in two morphotropic phase boundary ferroelectrics. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	5
189	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , <b>2018</b> , 361, 494-497	33.3	121
188	Controllable Thermal Expansion and Crystal Structure of $(\text{Fe}_{1-x}\text{Ni}_x)\text{ZrF}_6$ Solid Solutions. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2018</b> , 34, 339-343	3.8	4
187	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> , <b>2018</b> , 5, 438-445	6.8	8
186	Synergistic effects of Bi Deficiencies and Fe-doping on the thermoelectric properties and hardness of $\text{BiCuSeO}$ ceramics. <i>Journal of the Ceramic Society of Japan</i> , <b>2018</b> , 126, 699-705	1	4
185	Charge transfer drives anomalous phase transition in ceria. <i>Nature Communications</i> , <b>2018</b> , 9, 5063	17.4	30
184	Tunable Thermal Expansion from Negative, Zero, to Positive in Cubic Prussian Blue Analogues of $\text{GaFe}(\text{CN})$ . <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14027-14030	5.1	18
183	Local Chemical Strain in PtFe Alloy Nanoparticles. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 10494-10497	5.1	5
182	Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of $\text{Mn}_3\text{A}$ (A = Ge and Sn). <i>Chemistry of Materials</i> , <b>2018</b> , 30, 6236-6241	9.6	17
181	Tailoring Negative Thermal Expansion in Ferroelectric $\text{Sn}_2\text{P}_2\text{S}_6$ by Lone-Pair Cations. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 1832-1837	3.8	4

180	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> , <b>2017</b> , 5, 931-936	7.1	12
179	Zero Thermal Expansion and Semiconducting Properties in $\text{PbTiO}$ - $\text{Bi}(\text{Co}, \text{Ti})\text{O}$ Ferroelectric Solid Solutions. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 2589-2595	5.1	11
178	High-Dielectric-Permittivity Layered Nitride $\text{CaTiN}_2$ . <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1989-1993	9.6	8
177	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , <b>2017</b> , 8, 14441	17.4	76
176	$\text{PbTiO}$ -based perovskite ferroelectric and multiferroic thin films. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 17493-17515	3.6	25
175	Structural Evidence for Strong Coupling between Polarization Rotation and Lattice Strain in Monoclinic Relaxor Ferroelectrics. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5767-5771	9.6	29
174	Switching Between Giant Positive and Negative Thermal Expansions of a $\text{YFe}(\text{CN})_6$ -based Prussian Blue Analogue Induced by Guest Species. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9023-9028	16.4	69
173	Structural and chemical synergistic effect of $\text{CoS}$ nanoparticles and porous carbon nanorods for high-performance sodium storage. <i>Nano Energy</i> , <b>2017</b> , 35, 281-289	17.1	211
172	Atomic-level structural correlations across the morphotropic phase boundary of a ferroelectric solid solution: $x\text{BiMgTiO}$ -(1 - x) $\text{PbTiO}$ . <i>Scientific Reports</i> , <b>2017</b> , 7, 471	4.9	14
171	Anomalous dispersion X-ray diffraction study of $\text{Pb}/\text{Bi}$ ordering/disordering states in $\text{PbTiO}$ -based perovskite oxides. <i>Dalton Transactions</i> , <b>2017</b> , 46, 733-738	4.3	1
170	Local structure and controllable thermal expansion in the solid solution $(\text{Mn}_{1-x}\text{Ni}_x)\text{ZrF}_6$ . <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 343-347	6.8	10
169	Colossal Volume Contraction in Strong Polar Perovskites of $\text{Pb}(\text{Ti},\text{V})\text{O}$ . <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14865-14868	16.4	44
168	Isotropic Zero Thermal Expansion and Local Vibrational Dynamics in $(\text{Sc},\text{Fe})\text{F}_3$ . <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 10840-10843	5.1	13
167	Extrinsic contributions to piezoelectric Rayleigh behavior in morphotropic $\text{PbTiO}_3$ - $\text{BiScO}_3$ . <i>Acta Materialia</i> , <b>2017</b> , 137, 45-53	8.4	12
166	Zero thermal expansion in cubic $\text{MgZrF}_6$ . <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 5385-5388	3.8	9
165	Spring-like motion caused large anisotropic thermal expansion in nonporous $\text{M}(\text{eim})$ ( $\text{M} = \text{Zn}, \text{Cd}$ ). <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 24436-24439	3.6	13
164	Structure, Magnetism, and Tunable Negative Thermal Expansion in $(\text{Hf},\text{Nb})\text{Fe}_2$ Alloys. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7078-7082	9.6	20
163	Local Chemical Ordering and Negative Thermal Expansion in $\text{PtNi}$ Alloy Nanoparticles. <i>Nano Letters</i> , <b>2017</b> , 17, 7892-7896	11.5	15

162	Favorable Concurrence of Static and Dynamic Phenomena at the Morphotropic Phase Boundary of $x\text{BiNi}_{0.5}\text{Zr}_{0.5}\text{O}_3-(1-x)\text{PbTiO}_3$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 207604	7.4	14
161	Switching Between Giant Positive and Negative Thermal Expansions of a $\text{YFe}(\text{CN})_6$ -based Prussian Blue Analogue Induced by Guest Species. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9151-9156	3.6	4
160	Stress-induced phase transition in lead-free relaxor ferroelectric composites. <i>Acta Materialia</i> , <b>2017</b> , 136, 271-280	8.4	75
159	Critical Role of Monoclinic Polarization Rotation in High-Performance Perovskite Piezoelectric Materials. <i>Physical Review Letters</i> , <b>2017</b> , 119, 017601	7.4	62
158	Preparation and characterization of high Curie-temperature piezoelectric ceramics in a new Bi-based perovskite of $(1-x)\text{PbTiO}_3-x\text{Bi}(\text{Zn}_{1/2}\text{Hf}_{1/2})\text{O}_3$ . <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1352-1355	6.8	4
157	Topochemical molten salt synthesis for functional perovskite compounds. <i>Chemical Science</i> , <b>2016</b> , 7, 855-865	9.4	50
156	Local Structural Distortion Induced Uniaxial Negative Thermal Expansion in Nanosized Semimetal Bismuth. <i>Advanced Science</i> , <b>2016</b> , 3, 1600108	13.6	21
155	Domain-reorientation-induced polarization wake-up of $\text{PbTiO}_3$ based ferroelectric thin films. <i>Ceramics International</i> , <b>2016</b> , 42, 19212-19217	5.1	5
154	Giant Polarization and High Temperature Monoclinic Phase in a Lead-Free Perovskite of $\text{Bi}(\text{ZnTi})\text{O}-\text{BiFeO}$ . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 9513-9516	5.1	8
153	Unique Piezoelectric Properties of the Monoclinic Phase in $\text{Pb}(\text{Zr,Ti})\text{O}_3$ Ceramics: Large Lattice Strain and Negligible Domain Switching. <i>Physical Review Letters</i> , <b>2016</b> , 116, 027601	7.4	82
152	Atomic Linkage Flexibility Tuned Isotropic Negative, Zero, and Positive Thermal Expansion in $\text{MZrF}$ ( $\text{M} = \text{Ca, Mn, Fe, Co, Ni, and Zn}$ ). <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14530-14533	16.4	67
151	Lattice dynamics and anharmonicity of $\text{CaZrF}_6$ from Raman spectroscopy and ab initio calculations. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 180, 213-218	4.4	18
150	New Insights into the Negative Thermal Expansion: Direct Experimental Evidence for the "Guitar-String" Effect in Cubic $\text{ScF}_3$ . <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8320-3	16.4	88
149	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> , <b>2016</b> , 18, 6247-51	3.6	19
148	Bismuth oxychloride hollow microspheres with high visible light photocatalytic activity. <i>Nano Research</i> , <b>2016</b> , 9, 593-601	10	70
147	Lattice distortion and orbital hybridization in $\text{NdFeO}_3\text{-PbTiO}_3$ ferroelectric thin films. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1554-9	4.3	15
146	$\text{TiO}_2/\text{CdS}$ porous hollow microspheres rapidly synthesized by salt-assistant aerosol decomposition method for excellent photocatalytic hydrogen evolution performance. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1160-5	4.3	25
145	Microstructure construction and composition modification of $\text{CeO}_2$ microspheres with superior performance. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 92-96	6.8	6

144	Hydration and Thermal Expansion in Anatase Nanoparticles. <i>Advanced Materials</i> , <b>2016</b> , 28, 6894-9	24	19
143	Tunable thermal expansion and magnetism in Zr-doped ScF <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2016</b> , 109, 181901	3.4	15
142	Phase transition and negative thermal expansion in orthorhombic Dy <sub>2</sub> W <sub>3</sub> O <sub>12</sub> . <i>RSC Advances</i> , <b>2016</b> , 6, 96275-96280	3.7	8
141	Domain wall and interphase boundary motion in (1-x)Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> near the morphotropic phase boundary. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 044103	2.5	7
140	Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze Pb <sub>2</sub> AgNb <sub>5</sub> O <sub>15</sub> . <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2864-9	5.1	6
139	MnFe <sub>2</sub> O <sub>4</sub> @C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. <i>Nano Letters</i> , <b>2016</b> , 16, 3321-8	11.5	283
138	Structure, phase transition and negative thermal expansion in ammoniated ZrW <sub>2</sub> O <sub>8</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 856-860	6.8	15
137	Structure and control of negative thermal expansion of Nd/Sm substituted 0.5PbTiO <sub>3</sub> -0.5BiFeO <sub>3</sub> ferroelectrics. <i>RSC Advances</i> , <b>2016</b> , 6, 32979-32982	3.7	3
136	Phase transition and thermal expansion of Ho <sub>2</sub> W <sub>3</sub> O <sub>12</sub> . <i>Inorganic Chemistry Communication</i> , <b>2016</b> , 73, 111-114	3.1	3
135	Well-saturated ferroelectric polarization in PbTiO <sub>3</sub> /SmFeO <sub>3</sub> thin films. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1473-1479	6.8	7
134	The Distortion-Adjusted Change of Thermal Expansion Behavior of Cubic Magnetic Semiconductor (Sc <sub>1-x</sub> M <sub>x</sub> )F <sub>3</sub> (M = Al, Fe). <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2886-2888	3.8	12
133	Thermal Expansion Anomaly in TTB Ferroelectrics: The Interplay between Framework Structure and Electric Polarization. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8130-9	5.1	11
132	Urchin-Like CoSe <sub>2</sub> as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 6728-6735	15.6	388
131	Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> :ZnO lead-free piezoelectric composites with deferred thermal depolarization. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 232904	3.4	28
130	FeSe <sub>2</sub> Microspheres as a High-Performance Anode Material for Na-Ion Batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 3305-9	24	483
129	Low temperature molten salt synthesis of perovskite-type ACeO <sub>3</sub> (A=Sr, Ba) in eutectic NaCl-KCl. <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 342-346	2.2	6
128	Semiconductor/relaxor 0-3 type composites without thermal depolarization in Bi <sub>1-x</sub> Na <sub>x</sub> TiO <sub>3</sub> -based lead-free piezoceramics. <i>Nature Communications</i> , <b>2015</b> , 6, 6615	17.4	197
127	Large Photovoltage and Controllable Photovoltaic Effect in PbTiO <sub>3</sub> -Bi(Ni <sub>2/3</sub> +xNb <sub>1/3</sub> )O <sub>3</sub> Ferroelectrics. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1400051	6.4	48

126	Large resistive switching and switchable photovoltaic response in ferroelectric doped BiFeO <sub>3</sub> -based thin films by chemical solution deposition. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 4706-4712	7.1	34
125	Negative thermal expansion in functional materials: controllable thermal expansion by chemical modifications. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 3522-67	58.5	376
124	Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb <sub>5</sub> O <sub>15</sub> . <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 13468-71	16.4	30
123	Both electric field and temperature independent behavior of piezoelectric property of Pb(Ni <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> PbTiO <sub>3</sub> . <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 448-452	5.1	12
122	Controlled synthesis and properties of porous Cu/CeO <sub>2</sub> microspheres. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 22-25	5.1	7
121	Preparation and electrical properties of the new lead-free (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -xBa(Ni <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> piezoelectric ceramics. <i>Journal of the Ceramic Society of Japan</i> , <b>2015</b> , 123, 1038-1042	1	4
120	High-Curie-Temperature Ferromagnetism in (Sc,Fe)F <sub>3</sub> Fluorides and its Dependence on Chemical Valence. <i>Advanced Materials</i> , <b>2015</b> , 27, 4592-6	24	22
119	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. <i>Advanced Materials</i> , <b>2015</b> , 27, 5343-64	24	746
118	Enhanced Piezoelectric Properties and Thermal Stability in the (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> :ZnO Lead-Free Piezoelectric Composites. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 3935-3941	3.8	42
117	Enhanced photocatalytic hydrogen evolution efficiency using hollow microspheres of (Cu <sub>1-x</sub> )Zn <sub>x</sub> S <sub>2</sub> solid solutions. <i>Dalton Transactions</i> , <b>2015</b> , 44, 10991-6	4.3	7
116	Cation deficiency effect on negative thermal expansion of ferroelectric PbTiO <sub>3</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2015</b> , 2, 1091-1094	6.8	7
115	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 214-220	15.6	443
114	Enhanced Piezoelectric Properties of Tetragonal (Bi <sub>1/2</sub> K <sub>1/2</sub> )TiO <sub>3</sub> Lead-Free Ceramics by Substitution of Pure Bi-Based Bi(Mg <sub>2/3</sub> Nb <sub>1/3</sub> )O <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 104-108	3.8	17
113	Growth and ferroelectric properties of sol-gel derived Bi(Mg <sub>1/2</sub> Zr <sub>1/2</sub> )O <sub>3</sub> PbTiO <sub>3</sub> thin films. <i>Ceramics International</i> , <b>2014</b> , 40, 6307-6310	5.1	3
112	Structure and thermal expansion of the tungsten bronze Pb <sub>1-x</sub> Nb <sub>x</sub> O <sub>4</sub> . <i>Dalton Transactions</i> , <b>2014</b> , 43, 7037-43	4.3	24
111	Rapid Molten Salt Synthesis of Isotropic Negative Thermal Expansion ScF <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1009-1011	3.8	16
110	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> , <b>2014</b> , 2, 8564-8568	7.1	8
109	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> . <i>Dalton Transactions</i> , <b>2014</b> , 43, 9255-9	4.3	5

108	(Pb,Cd)-O covalency in PbTiO <sub>3</sub> -CdTiO <sub>3</sub> with enhanced negative thermal expansion. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 5237-41	3.6	8
107	A study into the extracted ion number for NASICON structured NaV <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 17681-7	3.6	79
106	Growth of hematite nanowire arrays during dense pentlandite oxidation. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3008	13	14
105	Zero thermal expansion and ferromagnetism in cubic Sc(1-x)M(x)F <sub>3</sub> (M = Ga, Fe) over a wide temperature range. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13566-9	16.4	119
104	Large scale and fast synthesis of multiferroic TbMn <sub>2</sub> O <sub>5</sub> single-crystalline nanorods. <i>Materials Research Bulletin</i> , <b>2014</b> , 51, 74-79	5.1	3
103	The electrowinning of zinc from sodium hydroxide solutions. <i>Hydrometallurgy</i> , <b>2014</b> , 146, 59-63	4	15
102	A low-cost and large-scale synthesis of nano-zinc oxide from smithsonite. <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 43, 138-141	3.1	4
101	Ordered structure and thermal expansion in tungsten bronze Pb <sub>0.5</sub> (0.5)Li(0.5)Nb <sub>0.5</sub> O <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 9174-80	5.1	23
100	Temperature dependent of thermal expansion and ferroelectric properties for BiAlO <sub>3</sub> -modified BaTiO <sub>3</sub> lead-free ceramics. <i>Current Applied Physics</i> , <b>2014</b> , 14, 13-17	2.6	7
99	One step molten salt synthesis of YVO <sub>4</sub> nanoparticles and their photocatalytic properties under UV-visible light. <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 44, 79-82	3.1	7
98	All organic sodium-ion batteries with NaClO <sub>4</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5892-6	16.4	313
97	High piezoelectric performance and temperature dependence of ferroelectric and piezoelectric properties of Bi(Mg <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> near morphotropic phase boundary. <i>Ceramics International</i> , <b>2014</b> , 40, 7723-7728	5.1	9
96	Effects of A-Site Substitutions on Negative Thermal Expansion in PbTiO <sub>3</sub> from First-Principles Calculations. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , <b>2014</b> , 30, 1432-1436	3.8	2
95	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> . <i>Materials Research Express</i> , <b>2014</b> , 1, 046301	1.7	6
94	Origin of high piezoelectric activity in perovskite ferroelectric ceramics. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 242910	3.4	19
93	Bi-O covalency in PbTiO <sub>3</sub> -BiInO <sub>3</sub> with enhanced ferroelectric properties: Synchrotron radiation diffraction and first-principles study. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 252901	3.4	9
92	Large-Scale Synthesis of Isotropic Single-Crystalline ScF <sub>3</sub> Cubes by Hydrothermal Method. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1386-1388	3.8	8
91	Extensive domain wall motion and deaging resistance in morphotropic 0.55Bi(Ni <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -0.45PbTiO <sub>3</sub> polycrystalline ferroelectrics. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 132907	3.4	19

90	Photoluminescence and Temperature Dependent Electrical Properties of Er-Doped 0.94Bi0.5Na0.5TiO3-0.06BaTiO3 Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3877-3882	3.8	21
89	Phase evolution and photoluminescence enhancement of CePO4 nanowires from a low phosphate concentration system. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	5
88	Temperature dependences of the ferroelectric and dielectric properties of high curie temperature PbTiO3BiScO3Bi(Zn1/2Zr1/2)O3. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 2006-2009	5.1	15
87	Niobium pentoxide hollow nanospheres with enhanced visible light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11894	13	40
86	First-principles study on negative thermal expansion of PbTiO3. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 221901	9.4	15
85	Multiferroics and electronic structure of (1-x)PbTiO3-xBi(Ni1/2Ti1/2)O3 thin films. <i>Thin Solid Films</i> , <b>2013</b> , 542, 155-159	2.2	2
84	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived Pb(0.8)Co(0.2)TiO3 thin films. <i>Dalton Transactions</i> , <b>2013</b> , 42, 10358-64	4.3	27
83	Large remanent polarization and small leakage in sol-gel derived Bi(Zn(1/2)Zr(1/2))O3-PbTiO3 ferroelectric thin films. <i>Dalton Transactions</i> , <b>2013</b> , 42, 585-90	4.3	17
82	Influences of oxide chemical modified on microstructure and electrical properties of PbTiO3-Bi(Ni1/2Ti1/2)O3. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 27, 9-12	3.1	5
81	Facile and rapid synthesis of multiferroic TbMnO3 single crystalline. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4984-4988	5.1	11
80	Multiferroic properties and enhanced magnetoelectric coupling in (1-x)PbTiO3-xNdFeO3. <i>Solid State Sciences</i> , <b>2013</b> , 15, 91-94	3.4	17
79	Unusual transformation from strong negative to positive thermal expansion in PbTiO3-BiFeO3 perovskite. <i>Physical Review Letters</i> , <b>2013</b> , 110, 115901	7.4	85
78	Large Piezoelectric Response and Polarization in Relaxor Ferroelectric PbTiO3Bi(Ni1/2Zr1/2)O3. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1035-1038	3.8	20
77	Preparation and Electric Properties of Bi0.5Na0.5TiO3Bi(Mg0.5Ti0.5)O3 Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 1171-1175	3.8	30
76	Experimental visualization of the Bi-O covalency in ferroelectric bismuth ferrite (BiFeO3) by synchrotron X-ray powder diffraction analysis. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 6779-82	3.6	42
75	Morphology evolution and physical properties of Bi2Mn4O10 synthesized by hydrothermal method. <i>Journal of Crystal Growth</i> , <b>2013</b> , 380, 1-4	1.6	3
74	Leaching of zinc from calcined smithsonite using sodium hydroxide. <i>Hydrometallurgy</i> , <b>2013</b> , 131-132, 89-92	4	19
73	Structure and enhanced piezoelectric response by chemical doping in PbTiO3PbZrO3Bi(Ni1/2Ti1/2)O3. <i>Inorganic Chemistry Communication</i> , <b>2013</b> , 31, 66-68	3.1	8

72	Large remanent polarization in multiferroic NdFeO <sub>3</sub> -PbTiO <sub>3</sub> thin film. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 082904	3-4	15
71	Enhanced piezoelectric and ferroelectric properties in the BaZrO <sub>3</sub> substituted BiFeO <sub>3</sub> -PbTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2013</b> , 102, 022905	3-4	54
70	Temperature-independent ferroelectric property and characterization of high-TC 0.2Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -0.8PbTiO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 082902	3-4	7
69	Preparation and Electric Properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> Bi(Al <sub>0.5</sub> Ga <sub>0.5</sub> )O <sub>3</sub> Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3793-3797	3.8	19
68	Effectively control negative thermal expansion of single-phase ferroelectrics of PbTiO <sub>3</sub> -(Bi,La)FeO <sub>3</sub> over a giant range. <i>Scientific Reports</i> , <b>2013</b> , 3, 2458	4-9	76
67	High piezoelectric and mechanical performances in multiferroic (1-x)PbTiO <sub>3</sub> -xBi(Ni <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -yBiScO <sub>3</sub> . <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6311		6
66	Facile molten salt synthesis of ordered perovskite Ba(Sr <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> powders. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 21, 92-95	3-1	4
65	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> , <b>2012</b> , 86,	3-3	73
64	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> , <b>2012</b> , 43, 494-502	2-5	11
63	Temperature Dependence of the Piezoelectric Coefficient in BiMeO <sub>3</sub> -PbTiO <sub>3</sub> (Me = Fe, Sc, (Mg <sub>1/2</sub> Ti <sub>1/2</sub> )) Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 711-715	3.8	76
62	Preparation and Electrical Properties of High-TC Piezoelectric Ceramics of Strontium-Substituted Bi(Ni <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 1170-1173	3.8	17
61	Enhanced piezoelectric and antiferroelectric properties of high-TC perovskite of Zr-substituted Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 074101	2.5	22
60	High piezoelectric performance in a new Bi-based perovskite of (1-x)Bi(Ni <sub>1/2</sub> Hf <sub>1/2</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 114120	2.5	28
59	Structure, piezoelectric, and ferroelectric properties of BaZrO <sub>3</sub> substituted Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> perovskite. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 104118	2.5	19
58	Deaging and asymmetric energy landscapes in electrically biased ferroelectrics. <i>Physical Review Letters</i> , <b>2012</b> , 108, 177601	7-4	45
57	Evidence for (Bi,Pb)O Covalency in the High TC Ferroelectric PbTiO <sub>3</sub> BiFeO <sub>3</sub> with Large Tetragonality. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3135-3137	9.6	83
56	Coprecipitation synthesis and negative thermal expansion of NbVO <sub>5</sub> . <i>Dalton Transactions</i> , <b>2011</b> , 40, 3394-3	4-7	17
55	B-site Dopant Effect on the Thermal Expansion in the (1-x)PbTiO <sub>3</sub> -xBiMeO <sub>3</sub> Solid Solution (Me = Fe, In, Sc). <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 3600-3603	3.8	12



54	Magnetic enhancement and low thermal expansion of $(1-x)PbTiO_3-xBi(Ni_{1/2}Ti_{1/2})O_3-yBiFeO_3$ . <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16205		11
53	The role of spontaneous polarization in the negative thermal expansion of tetragonal $PbTiO_3$ -based compounds. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11114-7	16.4	122
52	Phase transformation and negative thermal expansion in $TaVO_5$ . <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 2685-90	5.1	35
51	Microstructure and Electrical Properties of $(1-x)Bi(Li_{1/3}Zr_{2/3})O_3-xPbTiO_3$ Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1692	3.8	7
50	A Simple Oxidation Route to Prepare Pseudobrookite from Panzhihua Raw Ilmenite. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2968-2971	3.8	13
49	Structural evidence for the nonmonotonic trend of TC in tetragonal $PbTiO_3/BiScO_3$ solid solutions. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 252908	3.4	18
48	Ferroelectric and ferromagnetic properties of $Pb(Ti_{0.8}Fe_{0.2})O_{3-\delta}$ thin film. <i>Dalton Transactions</i> , <b>2010</b> , 39, 9952-5	4.3	16
47	Thermal expansion, ferroelectric and magnetic properties in $(1-x)PbTiO_3-xBi(Ni_{1/2}Ti_{1/2})O_3$ . <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 1925-8	16.4	73
46	Phase evolution in low-dimensional niobium oxide synthesized by a topochemical method. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 1397-403	5.1	50
45	Effects of Al substitution on the spontaneous polarization and lattice dynamics of the $PbTi_{1-x}Al_xO_3$ . <i>Dalton Transactions</i> , <b>2010</b> , 39, 5183-6	4.3	11
44	Structure and lattice dynamics in $PbTiO_3/Bi(Zn_{1/2}Ti_{1/2})O_3$ solid solutions. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 044105	2.5	22
43	Temperature dependence of piezoelectric properties of high-TC $Bi(Mg_{1/2}Ti_{1/2})O_3/BbTiO_3$ . <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 034109	2.5	73
42	Molten salt synthesis and phase evolution of $Ba(Cd_{1/3}Nb_{2/3})O_3$ . <i>International Journal of Materials Research</i> , <b>2009</b> , 100, 1552-1556	0.5	2
41	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> , <b>2009</b> , 11, 170-175	3.4	7
40	$BiScO_3$ Doped $(Na_{0.5}K_{0.5})NbO_3$ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 130-132	3.8	42
39	Effect of $BiScO_3$ and $LiNbO_3$ on the Piezoelectric Properties of $(Na_{0.5}K_{0.5})NbO_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1853-1855	3.8	15
38	Effects of Li Substitution on the Structure and Ferroelectricity of $(Na,K)NbO_3$ . <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 3033-3036	3.8	31
37	Raman study of $BiFeO_3$ with different excitation wavelengths. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 171-174	2.8	42

36	Wire Structure and Morphology Transformation of Niobium Oxide and Niobates by Molten Salt Synthesis. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1207-1213	9.6	87
35	Piezoelectric and ferroelectric properties of 0.96(Na,K)(Nb0.9Ta0.1)O3-0.04LiSbO3 ceramics synthesized by molten salt method. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 471, 428-431	5.7	10
34	Crystallographic and Raman spectroscopic studies of microwave dielectric ceramics Ba(Ca1/3Nb2/3)O3. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 472, 502-506	5.7	17
33	High pressure Raman investigations of multiferroic BiFeO3. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 385901	1.8	28
32	Zero thermal expansion in (1-x)PbTiO3-xBi(Mg,Ti)1/2O3 piezoceramics. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 1648		31
31	Large-scale synthesis of single-crystalline platelet Bi3.25La0.75Ti3O12. <i>Materials Letters</i> , <b>2008</b> , 62, 2332-2334	3.3	4
30	Structure and negative thermal expansion of Pb1-xBixTiO3. <i>Materials Letters</i> , <b>2008</b> , 62, 4585-4587	3.3	16
29	Template-Free Hydrothermal Synthesis of CeO2 Nano-octahedrons and Nanorods: Investigation of the Morphology Evolution. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 1474-1477	3.5	255
28	Synthesis and characterization of (Zn, Mn)TiO3 by modified sol-gel route. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 456, 353-357	5.7	15
27	Zero thermal expansion in PbTiO3-based perovskites. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1144-5	16.4	160
26	Controlled Synthesis of CeO2 Flower-Like and Well-Aligned Nanorod Hierarchical Architectures by a Phosphate-Assisted Hydrothermal Route. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 19896-19900	3.8	112
25	BiFeO-doped (NaK)NbO lead-free piezoelectric ceramics. <i>Science and Technology of Advanced Materials</i> , <b>2008</b> , 9, 025004	7.1	12
24	Negative thermal expansion in the PbTi1-xFexO3 system. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2520-2523	1.3	13
23	Topochemical Synthesis of Micron-Platelet (Na0.5K0.5)NbO3 Particles. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, 2186-2190	2.3	16
22	Structure and Shape Evolution of Bi1-xLaxFeO3 Perovskite Microcrystals by Molten Salt Synthesis. <i>European Journal of Inorganic Chemistry</i> , <b>2008</b> , 2008, NA-NA	2.3	21
21	Rapid Synthesis of Multiferroic BiFeO3 Single-Crystalline Nanostructures. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3598-3600	9.6	135
20	Hydrothermal Synthesis of Single Crystalline (K,Na)NbO3 Powders. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 1884-1888	2.3	64
19	Facile alcohothermal synthesis of large-scale ceria nanowires with organic surfactant assistance. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 390, 59-64	2.8	27

18	Cation ordering in the microwave dielectric ceramic BaCd <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> . <i>Scripta Materialia</i> , <b>2007</b> , 56, 65-68	6	12
17	High spontaneous polarization in PbTiO <sub>3</sub> BiMeO <sub>3</sub> systems with enhanced tetragonality. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 171907	3-4	31
16	Crystal structure of microwave dielectric ceramics Ba[(Mg <sub>1-x</sub> Cd <sub>x</sub> ) <sub>0.33</sub> Nb <sub>0.67</sub> ]O <sub>3</sub> . <i>Powder Diffraction</i> , <b>2007</b> , 22, 295-299	1.8	
15	Neutron diffraction studies of structure and increasing splitting of LO-TO phonons in Pb <sub>1-x</sub> Cd <sub>x</sub> TiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2006</b> , 100, 074106	2.5	4
14	Structure and negative thermal expansion in the PbTiO <sub>3</sub> BiFeO <sub>3</sub> system. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 101914	3-4	90
13	Low-temperature synthesis and characterization of (Zn,Ni)TiO <sub>3</sub> ceramics by a modified sol-gel route. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 420, 317-321	5-7	17
12	Microstructural characterization of sol-gel derived Pb <sub>1-x</sub> La <sub>x</sub> TiO <sub>3</sub> ferroelectrics. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 388, 308-313	5-7	20
11	Thermal Expansion Properties of Lanthanum-Substituted Lead Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 1356-1358	3.8	42
10	Structure and enhancement of negative thermal expansion in the PbTiO <sub>3</sub> NdTiO <sub>3</sub> system. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 231915	3-4	34
9	Structural investigations on ferroelectric Pb <sub>1-x/2</sub> La <sub>x</sub> TiO <sub>3</sub> using the x-ray Rietveld method. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 3614-3619	2.5	14
8	Thermal expansions of ceramics in the system Pb <sub>1-x</sub> (La <sub>1/2</sub> K <sub>1/2</sub> ) <sub>x</sub> TiO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 372, 259-266	5-7	12
7	Solid solution Pb <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> and its thermal expansion. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 360, 286-289	5-7	62
6	TEM study of phases and domains in NaNbO <sub>3</sub> at room temperature. <i>Physica Status Solidi A</i> , <b>1988</b> , 109, 171-185		55
5	Outstanding Energy Storage Performance in High-Hardness (Bi <sub>0.5</sub> K <sub>0.5</sub> )TiO <sub>3</sub> -Based Lead-Free Relaxors via Multi-Scale Synergistic Design. <i>Advanced Functional Materials</i> , 2110478	15.6	12
4	The role of average atomic volume in predicting negative thermal expansion: The case of REFe(CN) <sub>6</sub> . <i>Science China Materials</i> , 1	7.1	2
3	Revealing intrinsic and extrinsic piezoelectric contributions in phase coexistence system of PbTiO <sub>3</sub> -BiScO <sub>3</sub> . <i>Science China Materials</i> , 1	7.1	0
2	Origin and Absence of Giant Negative Thermal Expansion in Reduced and Oxidized Ca <sub>2</sub> RuO <sub>4</sub> . <i>Chemistry of Materials</i> ,	9.6	4
1	Unveiling the Complementary Manganese and Oxygen Redox Chemistry for Stabilizing the Sodium-Ion Storage Behaviors of Layered Oxide Cathodes. <i>Advanced Functional Materials</i> , 2203424	15.6	7

