Jun Chen

List of Publications by Year
in descending order

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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	Revealing intrinsic and extrinsic piezoelectric contributions in phase coexistence system of PbTiO3-BiScO3. Science China Materials, 2022, 65, 170-178.	6.3	5
2	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
3	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
4	Tuning thermal expansion from strong negative to zero to positive in Cu2-Zn P2O7 solid solutions. Scripta Materialia, 2022, 207, 114289.	5.2	6
5	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
6	Oxygen vacancy distributions and electron localization in a CeO₂(100) nanocube. Inorganic Chemistry Frontiers, 2022, 9, 275-283.	6.0	8
7	Outstanding Energy Storage Performance in Highâ€Hardness (Bi_{0.5}K_{0.5})TiO₃â€Based Leadâ€Free Relaxors via Multiâ€Scale Synergistic Design. Advanced Functional Materials, 2022, 32, 2110478.	14.9	83
8	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
9	Large piezoelectricity in NaNbO₃-based lead-free ceramicsviatuning oxygen octahedral tilt. Materials Horizons, 2022, 9, 1002-1009.	12.2	10
10	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
11	Realization of Negative Thermal Expansion in Lead-Free Bi0.5K0.5VO3 by the Suppression of Tetragonality. Inorganic Chemistry, 2022, , .	4.0	3
12	Visible-light photocatalytic hydrogen production in a narrow-bandgap semiconducting La/Ni-modified KNbO₃ ferroelectric and further enhancement via high-field poling. Journal of Materials Chemistry A, 2022, 10, 7238-7250.	10.3	18
13	Tolerance Factor Control of Tetragonality and Negative Thermal Expansion in PbTiO₃-Based Ferroelectrics. Chemistry of Materials, 2022, 34, 2798-2803.	6.7	6
14	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:m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> ferroelectrics. Physical Review B, 2022, 105, .	3.2	
15	Chemical Diversity for Tailoring Negative Thermal Expansion. Chemical Reviews, 2022, 122, 8438-8486.	47.7	51
16	High Piezoelectric Performance in Pb(Ni_{1/3}Nb_{2/3})O₃â€“Pb(Sc_{1/2}Nb_{1/2})O₃â€“PbTiO<sub> Ternary System Featuring Small Structural Distortion and Heterogeneous Domain Configuration. ACS Applied Materials & Interfaces, 2022, 14, 13528-13538.	8.0	9
17	Role of oxygen vacancies in colossal polarization in SmFeO _{3âˆ’Î´} thin films. Science Advances, 2022, 8, eabm8550.	10.3	13
18	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

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19	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
20	High-electromechanical performance for high-power piezoelectric applications: Fundamental, progress, and perspective. Progress in Materials Science, 2022, 127, 100944.	32.8	52
21	Evolving Differentiated Local Polar Displacement and Relaxor Behavior in Pb(Mg_{1/3}Nb_{2/3})O₃â€“PbTiO₃ Perovskites. Chemistry of Materials, 2022, 34, 3985-3992.	6.7	6
22	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
23	Achieving Ultrahigh Photocurrent Density of Mg/Mn-Modified KNbO₃ Ferroelectric Semiconductors by Bandgap Engineering and Polarization Maintenance. Chemistry of Materials, 2022, 34, 4274-4285.	6.7	15
24	Understanding Large Negative Thermal Expansion of NdFe(CN)₆ through the Electronic Structure and Lattice Dynamics. Inorganic Chemistry, 2022, 61, 7813-7819.	4.0	2
25	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
26	Defect engineering in rareâ€earthâ€doped BaTiO₃ ceramics: Route to highâ€temperature stability of colossal permittivity. Journal of the American Ceramic Society, 2022, 105, 5725-5737.	3.8	17
27	Transformation of Thermal Expansion from Large Volume Contraction to Nonlinear Strong Negative Thermal Expansion in PbTiO₃â€“Bi(Co_{1â€“x}Fe_x)O₃ Perovskites. ACS Applied Materials & Interfaces, 2022, 14, 23610-23616.	8.0	5
28	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
29	Giant energy-storage density with ultrahigh efficiency in lead-free relaxors via high-entropy design. Nature Communications, 2022, 13, .	12.8	157
30	Chemical pressure in functional materials. Chemical Society Reviews, 2022, 51, 5351-5364.	38.1	25
31	Effects of Subsurface Oxide on Cu₁/CeO₂ Single-Atom Catalysts for CO Oxidation: A Theoretical Investigation. Inorganic Chemistry, 2022, 61, 10006-10014.	4.0	5
32	Flexible polarization configuration in high-entropy piezoelectrics with high performance. Acta Materialia, 2022, 236, 118115.	7.9	21
33	Systematic study of structure and piezoelectric properties of Pb(Ni_{1/3}Nb_{2/3})O₃â€PbTiO₃ by in situ synchrotron diffraction. Journal of the American Ceramic Society, 2021, 104, 604-612.	3.8	14
34	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
35	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
36	Structural origin of size effect on piezoelectric performance of Pb(Zr,Ti)O3. Ceramics International, 2021, 47, 5256-5264.	4.8	13

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37	Electric-field-recoverable large shape memory in BNT-based lead-free ceramics. Journal of Materials Chemistry C, 2021, 9, 9859-9864.	5.5	2
38	Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free Na_{1/2}Bi_{1/2}V_{1â€“x}Ti_xO₃ Piezoceramics. ACS Applied Materials & Interfaces, 2021, 13, 5208-5215.	8.0	11
39	Boosted piezoelectricity with excellent thermal stability in tetragonal NaNbO₃-based ceramics. Journal of Materials Chemistry A, 2021, 9, 2367-2374.	10.3	12
40	Polarization- and Strain-Mediated Control of Negative Thermal Expansion and Ferroelasticity in BiInO₃â€“BiZn_{1/2}Ti_{1/2}O₃. Chemistry of Materials, 2021, 33, 1498-1505.	6.7	4
41	Ultrafast photoinduced strain in super-tetragonal PbTiO3 ferroelectric films. Science China Materials, 2021, 64, 1679-1686.	6.3	5
42	An Intriguing Polarization Configuration of Mixed Ising- and NÃ©el-Type Model in the Prototype PbZrO₃-Based Antiferroelectrics. Inorganic Chemistry, 2021, 60, 3232-3237.	4.0	8
43	Strong Negative Thermal Expansion of Cu₂PVO₇ in a Wide Temperature Range. Chemistry of Materials, 2021, 33, 1321-1329.	6.7	19
44	Crystal structure and actuation mechanisms in morphotropic phase boundary Pb(Zn_{1/3}Nb_{2/3})O₃â€“Pb(Zr_{1/2}Ti_{1/2})O₃ piezoelectric ceramic. Journal of the American Ceramic Society, 2021, 104, 2621-2627.	3.8	10
45	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe ₁₀ V _{2â”} _x Mo _x Compounds. CCS Chemistry, 2021, 3, 1009-1015.	7.8	9
46	Strong Roomâ€Temperature Ferroelectricity in Strained SrTiO₃ Homoepitaxial Film. Advanced Materials, 2021, 33, e2008316.	21.0	28
47	Chemical-Pressure-Modulated BaTiO₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. Journal of the American Chemical Society, 2021, 143, 6491-6497.	13.7	37
48	Superconductivity in Co-Layered LaCoSi. Inorganic Chemistry, 2021, 60, 6157-6161.	4.0	15
49	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
50	Negative thermal expansion in YbMn2Ge2 induced by the dual effect of magnetism and valence transition. Npj Quantum Materials, 2021, 6, .	5.2	14
51	Negative thermal expansion in magnetic materials. Progress in Materials Science, 2021, 121, 100835.	32.8	62
52	Zero Thermal Expansion and Strong Covalent Binding of VB2 Compound. Inorganic Chemistry, 2021, 60, 10095-10099.	4.0	3
53	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:mrow></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mi>Fe</mml:mi><mml:mo>,</mml:mo><mml:mi>Co</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rg B		

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55	Critical Role of Sc Substitution in Modulating Ferroelectricity in Multiferroic LuFeO₃. Nano Letters, 2021, 21, 6648-6655.	9.1	8
56	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
57	Plastic and low-cost axial zero thermal expansion alloy by a natural dual-phase composite. Nature Communications, 2021, 12, 4701.	12.8	24
58	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
59	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
60	Negative thermal expansion in framework structure materials. Coordination Chemistry Reviews, 2021, 449, 214204.	18.8	59
61	In situ determination of the interplay of the structure and domain under a subcoercive field in BiScO₃â€“PbTiO₃. Inorganic Chemistry Frontiers, 2021, 8, 4415-4422.	6.0	1
62	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
63	Negative thermal expansion in (Sc,Ti)Fe₂ induced by an unconventional magnetovolume effect. Materials Horizons, 2020, 7, 275-281.	12.2	34
64	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
65	Preparation, Structure, and enhanced thermoelectric properties of Sm-doped BiCuSeO oxyselenide. Materials and Design, 2020, 185, 108263.	7.0	29
66	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
67	Controllable Ferromagnetism in Super-tetragonal PbTiO₃ through Strain Engineering. Nano Letters, 2020, 20, 881-886.	9.1	11
68	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
69	Hierarchical Engineering of Porous P2â€Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ Nanofibers Assembled by Nanoparticles Enables Superior Sodiumâ€ion Storage Cathodes. Advanced Functional Materials, 2020, 30, 1907837.	14.9	117
70	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
71	Effect of H₂O Molecules on Thermal Expansion of TiCo(CN)₆. Inorganic Chemistry, 2020, 59, 14852-14855.	4.0	27
72	Magnetic structure and uniaxial negative thermal expansion in antiferromagnetic CrSb. Dalton Transactions, 2020, 49, 17605-17611.	3.3	4

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73	Enhanced Spontaneous Polarization by V4+ Substitution in a Lead-Free Perovskite CaMnTi2O6. Inorganic Chemistry, 2020, 59, 11749-11756.	4.0	5
74	Negative and zero thermal expansion in Î±-(Cu_{2â˜x}Zn_x)V₂O₇ solid solutions. Chemical Communications, 2020, 56, 10666-10669.	4.1	19
75	Facile Synthesis of Dicelike Cobalt Squarate Cages through a Spontaneous Dissolutionâ€“Regrowth Process. Chemistry of Materials, 2020, 32, 6765-6771.	6.7	15
76	Magnetic-Field-Induced Strong Negative Thermal Expansion in La(Fe,Al)₁₃. Chemistry of Materials, 2020, 32, 7535-7541.	6.7	16
77	Negativeâ€Pressureâ€Induced Large Polarization in Nanosized PbTiO₃. Advanced Materials, 2020, 32, e2002968.	21.0	20
78	High performance and low thermal expansion in Er-Fe-V-Mo dual-phase alloys. Acta Materialia, 2020, 198, 271-280.	7.9	20
79	Relationship among the Crystal Structure, Texture, and Macroscopic Properties of Tetragonal (Pb,La)(Zr,Ti)O₃ Ferroelectrics Investigated by In Situ High-Energy Synchrotron Diffraction. Inorganic Chemistry, 2020, 59, 13632-13638.	4.0	4
80	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
81	Role of â€œDumbbellâ€•Pairs of Fe in Spin Alignments and Negative Thermal Expansion of Lu₂Fe₁₇-Based Intermetallic Compounds. Inorganic Chemistry, 2020, 59, 11228-11232.	4.0	9
82	Strong Covalent Bonding for Enhanced Negative Thermal Expansion in (1 â€“) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (x)Pb 20445-20449.	3.1	5
83	Pseudoâ€Bonding and Electricâ€Field Harmony for Liâ€Rich Mnâ€Based Oxide Cathode. Advanced Functional Materials, 2020, 30, 2004302.	14.9	149
84	Achieving High Performances of Ultra-Low Thermal Expansion and High Thermal Conductivity in 0.5PbTiO₃-0.5(Bi_{0.9}La_{0.1})FeO₃@Cu Coreâ€“Shell Composite. ACS Applied Materials & Interfaces, 2020, 12, 57228-57234.	8.0	17
85	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
86	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
87	Negative Thermal Expansion in Lead-Free La-Substituted Bi_{0.5}Na_{0.5}VO₃. Chemistry of Materials, 2020, 32, 4832-4837.	6.7	14
88	Realizing isotropic negative thermal expansion covering room temperature by breaking the superstructure of ZrV2O7. Applied Physics Letters, 2020, 116, .	3.3	28
89	Large nonlinear optical effect in tungsten bronze structuresviaLi/Na cross-substitutions. Chemical Communications, 2020, 56, 8384-8387.	4.1	3
90	Large isotropic negative thermal expansion in water-free Prussian blue analogues of ScCo(CN)6. Scripta Materialia, 2020, 187, 119-124.	5.2	32

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91	Urchinâ€Like Fe₃Se₄ Hierarchitectures: A Novel Pseudocapacitive Sodiumâ€Ion Storage Anode with Prominent Rate and Cycling Properties. Small, 2020, 16, e2000504.	10.0	39
92	Molecular Packing-Dependent Thermal Expansion Behaviors in Metal Squarate Frameworks. Chemistry of Materials, 2020, 32, 2893-2898.	6.7	15
93	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
94	Discovering Large Isotropic Negative Thermal Expansion in Framework Compound AgB(CN)₄ via the Concept of Average Atomic Volume. Journal of the American Chemical Society, 2020, 142, 6935-6939.	13.7	97
95	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
96	A Novel NASICONâ€Type Na₄MnCr(PO₄)₃ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodiumâ€Ion Batteries. Advanced Materials, 2020, 32, e1906348.	21.0	142
97	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></m 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
98	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
99	Transforming Thermal Expansion from Positive to Negative: The Case of Cubic Magnetic Compounds of (Zr,Nb)Fe₂. Journal of Physical Chemistry Letters, 2020, 11, 1954-1961.	4.6	19
100	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO₃. Journal of the American Chemical Society, 2020, 142, 5731-5741.	13.7	35
101	Negative thermal expansion and the role of hybridization in perovskite-type PbTiO₃-Bi(Cu_{0.5}Ti_{0.5})O₃. Inorganic Chemistry Frontiers, 2020, 7, 1190-1195.	6.0	8
102	Strong Negative Thermal Expansion in a Low-Cost and Facile Oxide of Cu₂P₂O₇. Journal of the American Chemical Society, 2020, 142, 3088-3093.	13.7	59
103	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. Materials Horizons, 2020, 7, 1912-1918.	12.2	34
104	Observation of Stabilized Monoclinic Phase as a â€œBridgeâ€• at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO₃ and Rhombohedral BiFeO₃. Chemistry of Materials, 2020, 32, 3615-3620.	6.7	5
105	Manipulating Spin Alignments of (Y,Lu)1.7Fe17 Intermetallic Compounds via Unusual Thermal Pressure. Inorganic Chemistry, 2020, 59, 5247-5251.	4.0	5
106	Near-zero temperature coefficient of resistivity in LaFe9.45Al3.55 compound over 5â€“300â€‰K. Applied Physics Letters, 2020, 116, 171901.	3.3	2
107	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< Physical Review B, 2020, 101, .	3.2	17
108	Nanodomain patterns in ultra-tetragonal lead titanate (PbTiO3). Applied Physics Letters, 2020, 116, .	3.3	11

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109	Negative Thermal Expansion in Nanosolids. Accounts of Chemical Research, 2019, 52, 2694-2702.	15.6	14
110	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
111	Pronounced Negative Thermal Expansion in Lead-Free BiCoO₃-Based Ferroelectrics Triggered by the Stabilized Perovskite Structure. Chemistry of Materials, 2019, 31, 6187-6192.	6.7	14
112	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
113	Neutron Diffraction Study of Unusual Magnetic Behaviors in the Ho2Fe11Al6 Intermetallic Compound. Inorganic Chemistry, 2019, 58, 13742-13745.	4.0	6
114	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO₃-Based Perovskites. Chemistry of Materials, 2019, 31, 1296-1303.	6.7	29
115	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
116	Enhanced tetragonality and large negative thermal expansion in a new Pb/Bi-based perovskite ferroelectric of (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (x)PbTiO₃â€“xBi(Zn_{1/2}V<su Chemistry Frontiers, 2019, 6, 1990-1995.	6.0	8
117	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
118	Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting K₂TiF₆:Mn⁴⁺ for White-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 20143-20149.	8.0	33
119	Near-zero thermal expansion coordinated with geometric flexibility and Ï€â‹¯Ï€ interaction in anisotropic [Zn₈(SiO₄)(m-BDC)₆]_n. Inorganic Chemistry Frontiers, 2019, 6, 1675-1679.	6.0	5
120	Editorial: Towards the Control of Thermal Expansion: From 1996 to Today. Frontiers in Chemistry, 2019, 7, 284.	3.6	13
121	Adjustable Magnetic Phase Transition Inducing Unusual Zero Thermal Expansion in Cubic RCo₂-Based Intermetallic Compounds (R = Rare Earth). Inorganic Chemistry, 2019, 58, 5401-5405.	4.0	19
122	Tunable thermal expansion and high hardness of (0.9â^'x)PbTiO₃â€“xCaTiO₃â€“0.1Bi(Zn_{2/3}Ta_{1/3})O₃cera Inorganic Chemistry Frontiers, 2019, 6, 1068-1072.	6.0	4
123	Inorganicâ€“organic hybridization induced uniaxial zero thermal expansion in MC₄O₄ (M = Ba, Pb). Chemical Communications, 2019, 55, 4107-4110.	4.1	12
124	Negative Thermal Expansion in (Hf,Ti)Fe₂ Induced by the Ferromagnetic and Antiferromagnetic Phase Coexistence. Inorganic Chemistry, 2019, 58, 5380-5383.	4.0	14
125	Negative thermal expansion in cubic FeFe(CN)₆ Prussian blue analogues. Dalton Transactions, 2019, 48, 3658-3663.	3.3	32
126	Phonon spectrum attributes for the negative thermal expansion of MZrF₆ (M = Ca, Mnâ€“Ni,) Tj ETQq0 0 0 rgBT /Overlock	6.0	2

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127	Controllable thermal expansion and magnetic structure in Er₂(Fe,Co)₁₄B intermetallic compounds. Inorganic Chemistry Frontiers, 2019, 6, 3225-3229.	6.0	15
128	Characterization and high piezoelectric performance of Pb(Fe_{1/2}Nb_{1/2})O₃â€“Pb(In_{1/2}Nb_{1/2})O₃â€“PbTiO<sub> ternary ceramics. Inorganic Chemistry Frontiers, 2019, 6, 3070-3076.	6.0	19
129	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
130	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
131	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
132	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
133	Thermal stability of n-type zone-melting Bi₂(Te, Se)₃ alloys for thermoelectric generation. Materials Research Express, 2019, 6, 035907.	1.6	11
134	Enhanced thermoelectric performances in BiCuSeO oxyselenides via Er and 3D modulation doping. Ceramics International, 2019, 45, 4493-4498.	4.8	30
135	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
136	Structural Correlation to Piezoelectric and Ferroelectric Mechanisms in Rhombohedral Pb(Zr,Ti)O₃ Ceramics by in-Situ Synchrotron Diffraction. Inorganic Chemistry, 2018, 57, 3002-3007.	4.0	16
137	Negative thermal expansion in molecular materials. Chemical Communications, 2018, 54, 5164-5176.	4.1	104
138	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
139	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO3 based ferroelectric thin films. Journal of Alloys and Compounds, 2018, 742, 351-355.	5.5	25
140	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
141	A New Insight into Crossâ€Sensitivity to Humidity of SnO₂ Sensor. Small, 2018, 14, e1703974.	10.0	38
142	Role of Reversible Phase Transformation for Strong Piezoelectric Performance at the Morphotropic Phase Boundary. Physical Review Letters, 2018, 120, 055501.	7.8	84
143	Effect of Ba and Pb dual doping on the thermoelectric properties of BiCuSeO ceramics. Materials Letters, 2018, 217, 189-193.	2.6	31
144	Structure and Phase Transformation in the Giant Magnetostriction Laves-Phase SmFe₂. Inorganic Chemistry, 2018, 57, 689-694.	4.0	23

#	Article	IF	Citations
145	Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe)₂ Intermetallic Compounds. Journal of the American Chemical Society, 2018, 140, 602-605.	13.7	87
146	Effect of synthesis processes on the thermoelectric properties of BiCuSeO oxyselenides. Journal of Alloys and Compounds, 2018, 754, 131-138.	5.5	19
147	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
148	Large spontaneous polarization in polar perovskites of PbTiO₃â€“Bi(Zn_{1/2}Ti_{1/2})O₃. Inorganic Chemistry Frontiers, 2018, 5, 1277-1281.	6.0	15
149	Localized Symmetry Breaking for Tuning Thermal Expansion in ScF₃ Nanoscale Frameworks. Journal of the American Chemical Society, 2018, 140, 4477-4480.	13.7	44
150	Defect dipole-induced domain reorientation of NdFeO₃â€“PbTiO₃ thin films. Inorganic Chemistry Frontiers, 2018, 5, 1156-1161.	6.0	2
151	Structure and excellent visible light catalysis of Prussian blue analogues BiFe(CN)₆Â·4H₂O. Inorganic Chemistry Frontiers, 2018, 5, 438-445.	6.0	15
152	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
153	Charge transfer drives anomalous phase transition in ceria. Nature Communications, 2018, 9, 5063.	12.8	48
154	Tunable Thermal Expansion from Negative, Zero, to Positive in Cubic Prussian Blue Analogues of GaFe(CN)₆. Inorganic Chemistry, 2018, 57, 14027-14030.	4.0	28
155	Local Chemical Strain in PtFe Alloy Nanoparticles. Inorganic Chemistry, 2018, 57, 10494-10497.	4.0	10
156	Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of Mn₃A (A = Ge and Sn). Chemistry of Materials, 2018, 30, 6236-6241.	6.7	23
157	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
158	3D negative thermal expansion in orthorhombic MIL-68(In). Chemical Communications, 2018, 54, 5712-5715.	4.1	34
159	Low-Frequency Phonon Driven Negative Thermal Expansion in Cubic GaFe(CN)₆ Prussian Blue Analogues. Inorganic Chemistry, 2018, 57, 10918-10924.	4.0	32
160	Twin Crystal Induced near Zero Thermal Expansion in SnO₂ Nanowires. Journal of the American Chemical Society, 2018, 140, 7403-7406.	13.7	37
161	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
162	Synergy between phase transformation and domain switching in two morphotropic phase boundary ferroelectrics. Physical Review Materials, 2018, 2, .	2.4	5

#	Article	IF	Citations
163	Giant polarization in super-tetragonal thin films through interphase strain. Science, 2018, 361, 494-497.	12.6	173
164	Controllable Thermal Expansion and Crystal Structure of (Fe_{1-<i>x</i>}Ni<i>_x</i>)ZrF₆ Solid Solutions. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 339-343.	0.0	5
165	Tailoring Negative Thermal Expansion in Ferroelectric Sn₂P₂S₆ by Lone-Pair Cations. Journal of Physical Chemistry C, 2017, 121, 1832-1837.	3.1	6
166	Controllable negative thermal expansion, ferroelectric and semiconducting properties in PbTiO₃â€“Bi(Co_{2/3}Nb_{1/3})O₃ solid solutions. Journal of Materials Chemistry C, 2017, 5, 931-936.	5.5	15
167	Zero Thermal Expansion and Semiconducting Properties in PbTiO₃â€“Bi(Co,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5C	4.0	13
168	High-Dielectric-Permittivity Layered Nitride CaTiN₂. Chemistry of Materials, 2017, 29, 1989-1993.	6.7	18
169	Tunable thermal expansion in framework materials through redox intercalation. Nature Communications, 2017, 8, 14441.	12.8	95
170	PbTiO₃-based perovskite ferroelectric and multiferroic thin films. Physical Chemistry Chemical Physics, 2017, 19, 17493-17515.	2.8	34
171	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
172	Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN)₆â€based Prussian Blue Analogue Induced by Guest Species. Angewandte Chemie - International Edition, 2017, 56, 9023-9028.	13.8	101
173	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
174	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
175	Anomalous dispersion X-ray diffraction study of Pb/Bi ordering/disordering states in PbTiO₃-based perovskite oxides. Dalton Transactions, 2017, 46, 733-738.	3.3	1
176	Local structure and controllable thermal expansion in the solid solution (Mn_{1â^'x}Ni_x)ZrF₆. Inorganic Chemistry Frontiers, 2017, 4, 343-347.	6.0	12
177	Colossal Volume Contraction in Strong Polar Perovskites of Pb(Ti,V)O₃. Journal of the American Chemical Society, 2017, 139, 14865-14868.	13.7	55
178	Isotropic Zero Thermal Expansion and Local Vibrational Dynamics in (Sc,Fe)F₃. Inorganic Chemistry, 2017, 56, 10840-10843.	4.0	16
179	Extrinsic contributions to piezoelectric Rayleigh behavior in morphotropic PbTiO3 - BiScO3. Acta Materialia, 2017, 137, 45-53.	7.9	18
180	Zero thermal expansion in cubic MgZrF₆. Journal of the American Ceramic Society, 2017, 100, 5385-5388.	3.8	17

#	Article	IF	Citations
181	Spring-like motion caused large anisotropic thermal expansion in nonporous M(eim)₂(M =) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	16
182	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe₂ Alloys. Chemistry of Materials, 2017, 29, 7078-7082.	6.7	27
183	Local Chemical Ordering and Negative Thermal Expansion in PtNi Alloy Nanoparticles. Nano Letters, 2017, 17, 7892-7896.	9.1	34
184	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
185	Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN)₆â€based Prussian Blue Analogue Induced by Guest Species. Angewandte Chemie, 2017, 129, 9151-9156.	2.0	5
186	Stress-induced phase transition in lead-free relaxor ferroelectric composites. Acta Materialia, 2017, 136, 271-280.	7.9	111
187	Critical Role of Monoclinic Polarization Rotation in High-Performance Perovskite Piezoelectric Materials. Physical Review Letters, 2017, 119, 017601.	7.8	95
188	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
189	Hydration and Thermal Expansion in Anatase Nanoparticles. Advanced Materials, 2016, 28, 6894-6899.	21.0	23
190	Tunable thermal expansion and magnetism in Zr-doped ScF3. Applied Physics Letters, 2016, 109, .	3.3	22
191	Phase transition and negative thermal expansion in orthorhombic Dy₂W₃O₁₂. RSC Advances, 2016, 6, 96275-96280.	3.6	14
192	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
193	Thermal Expansion and Second Harmonic Generation Response of the Tungsten Bronze Pb2AgNb5O15. Inorganic Chemistry, 2016, 55, 2864-2869.	4.0	10
194	MnFe₂O₄@C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. Nano Letters, 2016, 16, 3321-3328.	9.1	348
195	Structure, phase transition and negative thermal expansion in ammoniated ZrW₂O₈. Inorganic Chemistry Frontiers, 2016, 3, 856-860.	6.0	20
196	Structure and control of negative thermal expansion of Nd/Sm substituted 0.5PbTiO₃â€"0.5BiFeO₃ ferroelectrics. RSC Advances, 2016, 6, 32979-32982.	3.6	3
197	Phase transition and thermal expansion of Ho2W3O12. Inorganic Chemistry Communication, 2016, 73, 111-114.	3.9	9
198	Well-saturated ferroelectric polarization in PbTiO3â€"SmFeO3 thin films. Inorganic Chemistry Frontiers, 2016, 3, 1473-1479.	6.0	7

#	Article	IF	Citations
199	The Distortionâ€Adjusted Change of Thermal Expansion Behavior of Cubic Magnetic Semiconductor (Sc) Tj ETQq1 1 0.784314 rgBT /Ov	3.8	14
200	Thermal Expansion Anomaly in TTB Ferroelectrics: The Interplay between Framework Structure and Electric Polarization. Inorganic Chemistry, 2016, 55, 8130-8139.	4.0	12
201	Urchinâ€Like CoSe₂ as a Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2016, 26, 6728-6735.	14.9	471
202	Local Structural Distortion Induced Uniaxial Negative Thermal Expansion in Nanosized Semimetal Bismuth. Advanced Science, 2016, 3, 1600108.	11.2	26
203	Domain-reorientation-induced polarization wake-up of PbTiO3 based ferroelectric thin films. Ceramics International, 2016, 42, 19212-19217.	4.8	6
204	Giant Polarization and High Temperature Monoclinic Phase in a Lead-Free Perovskite of Bi(Zn_{0.5}Ti_{0.5})O₃-BiFeO₃. Inorganic Chemistry, 2016, 55, 9513-9516.	4.0	14
205	Piezoelectric Properties of the Monoclinic Phase in<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	7.8	102
206	Atomic Linkage Flexibility Tuned Isotropic Negative, Zero, and Positive Thermal Expansion in MZrF₆ (M = Ca, Mn, Fe, Co, Ni, and Zn). Journal of the American Chemical Society, 2016, 138, 14530-14533.	13.7	89
207	Lattice dynamics and anharmonicity of CaZrF6 from Raman spectroscopy and ab initio calculations. Materials Chemistry and Physics, 2016, 180, 213-218.	4.0	28
208	New Insights into the Negative Thermal Expansion: Direct Experimental Evidence for the â€œGuitar-Stringâ€•Effect in Cubic ScF₃. Journal of the American Chemical Society, 2016, 138, 8320-8323.	13.7	115
209	Large negative thermal expansion in non-perovskite lead-free ferroelectric Sn₂P₂S₆. Physical Chemistry Chemical Physics, 2016, 18, 6247-6251.	2.8	22
210	Bismuth oxychloride hollow microspheres with high visible light photocatalytic activity. Nano Research, 2016, 9, 593-601.	10.4	88
211	Lattice distortion and orbital hybridization in NdFeO₃â€“PbTiO₃ ferroelectric thin films. Dalton Transactions, 2016, 45, 1554-1559.	3.3	16
212	TiO₂/CdS porous hollow microspheres rapidly synthesized by salt-assistant aerosol decomposition method for excellent photocatalytic hydrogen evolution performance. Dalton Transactions, 2016, 45, 1160-1165.	3.3	26
213	Microstructure construction and composition modification of CeO₂ macrospheres with superior performance. Inorganic Chemistry Frontiers, 2016, 3, 92-96.	6.0	6
214	Topochemical molten salt synthesis for functional perovskite compounds. Chemical Science, 2016, 7, 855-865.	7.4	65
215	Preparation and electrical properties of the new lead-free (1 −) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (x)B piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2015, 123, 1038-1042.	1.1	4
216	Highâ€Curieâ€Temperature Ferromagnetism in (Sc,Fe)F₃ Fluorides and its Dependence on Chemical Valence. Advanced Materials, 2015, 27, 4592-4596.	21.0	25

#	Article	IF	Citations
217	Recent Advances and Prospects of Cathode Materials for Sodiumâ€Ion Batteries. Advanced Materials, 2015, 27, 5343-5364.	21.0	915
218	Enhanced Piezoelectric Properties and Thermal Stability in the (K_{0.5}Na_{0.5})NbO₃:ZnO Leadâ€Free Piezoelectric Composites. Journal of the American Ceramic Society, 2015, 98, 3935-3941.	3.8	52
219	Enhanced photocatalytic hydrogen evolution efficiency using hollow microspheres of (CuIn)_xZn_{2(1â^'x)}S₂ solid solutions. Dalton Transactions, 2015, 44, 10991-10996.	3.3	9
220	Cation deficiency effect on negative thermal expansion of ferroelectric PbTiO₃. Inorganic Chemistry Frontiers, 2015, 2, 1091-1094.	6.0	9
221	Ultrasmall Sn Nanoparticles Embedded in Carbon as Highâ€Performance Anode for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2015, 25, 214-220.	14.9	498
222	Enhanced Piezoelectric Properties of Tetragonal (Bi_{1/2}K_{1/2})TiO₃ Leadâ€Free Ceramics by Substitution of Pure Biâ€Based Bi(Mg_{2/3}Nb_{1/3})O₃. Journal of the American Ceramic Society, 2015, 98, 104-108.	3.8	19
223	Bi0.5Na0.5TiO3:ZnO lead-free piezoelectric composites with deferred thermal depolarization. Applied Physics Letters, 2015, 106, .	3.3	41
224	FeSe₂ Microspheres as a Highâ€Performance Anode Material for Naâ€Ion Batteries. Advanced Materials, 2015, 27, 3305-3309.	21.0	581
225	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
226	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
227	Large Photovoltage and Controllable Photovoltaic Effect in PbTiO₃â€Bi(Ni_{2/3+x}Nb_{1/3â€“x})O_{3â€“}_δ Ferroelectrics. Advanced Electronic Materials, 2015, 1, 1400051.	5.1	56
228	Large resistive switching and switchable photovoltaic response in ferroelectric doped BiFeO₃-based thin films by chemical solution deposition. Journal of Materials Chemistry C, 2015, 3, 4706-4712.	5.5	43
229	Negative thermal expansion in functional materials: controllable thermal expansion by chemical modifications. Chemical Society Reviews, 2015, 44, 3522-3567.	38.1	527
230	Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb₅O₁₅. Journal of the American Chemical Society, 2015, 137, 13468-13471.	13.7	37
231	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
232	Controlled synthesis and properties of porous Cu/CeO2 microspheres. Materials Research Bulletin, 2015, 61, 22-25.	5.2	8
233	Enhanced high-temperature piezoelectric properties of traditional Pb(Zr,Ti)O₃ceramics by a small amount substitution of KNbO₃. Materials Research Express, 2014, 1, 046301.	1.6	6
234	Origin of high piezoelectric activity in perovskite ferroelectric ceramics. Applied Physics Letters, 2014, 104, .	3.3	27

#	Article	IF	Citations
235	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
236	Largeâ€Scale Synthesis of Isotropic Singleâ€Crystalline <scp><scp>ScF</scp></scp>₃ Cubes by Hydrothermal Method. Journal of the American Ceramic Society, 2014, 97, 1386-1388.	3.8	10
237	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
238	Photoluminescence and Temperature Dependent Electrical Properties of Erâ€Doped 0.94<scp><scp>Bi</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>TiO</scp></scp>₃ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3877-3882.	3.8	25
239	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
240	Structure and thermal expansion of the tungsten bronze Pb₂KNb₅O₁₅. Dalton Transactions, 2014, 43, 7037-7043.	3.3	28
241	Rapid Molten Salt Synthesis of Isotropic Negative Thermal Expansion <scp><scp>ScF</scp></scp>₃. Journal of the American Ceramic Society, 2014, 97, 1009-1011.	3.8	19
242	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
243	Rapid synthesis, structure and photocatalysis of pure bismuth A-site perovskite of Bi(Mg_{3/8}Fe_{2/8}Ti_{3/8})O₃. Dalton Transactions, 2014, 43, 9255-9259.	3.3	7
244	(Pb,Cd)â€“O covalency in PbTiO3â€“CdTiO3 with enhanced negative thermal expansion. Physical Chemistry Chemical Physics, 2014, 16, 5237.	2.8	11
245	A study into the extracted ion number for NASICON structured Na₃V₂(PO₄)₃ in sodium-ion batteries. Physical Chemistry Chemical Physics, 2014, 16, 17681-17687.	2.8	106
246	Growth of hematite nanowire arrays during dense pentlandite oxidation. Journal of Materials Chemistry A, 2014, 2, 3008.	10.3	21
247	Zero Thermal Expansion and Ferromagnetism in Cubic Sc_{1â€“x}M_xF₃ (M = Ga, Fe) over a Wide Temperature Range. Journal of the American Chemical Society, 2014, 136, 13566-13569.	13.7	144
248	Large scale and fast synthesis of multiferroic TbMn2O5 single-crystalline nanorods. Materials Research Bulletin, 2014, 51, 74-79.	5.2	4
249	The electrowinning of zinc from sodium hydroxide solutions. Hydrometallurgy, 2014, 146, 59-63.	4.3	17
250	A low-cost and large-scale synthesis of nano-zinc oxide from smithsonite. Inorganic Chemistry Communication, 2014, 43, 138-141.	3.9	6
251	Ordered Structure and Thermal Expansion in Tungsten Bronze Pb₂K_{0.5}Li_{0.5}Nb₅O₁₅. Inorganic Chemistry, 2014, 53, 9174-9180.	4.0	26
252	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

#	Article	IF	Citations
253	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
254	All Organic Sodiumâ€ion Batteries with Na₄C₈H₂O₆. Angewandte Chemie - International Edition, 2014, 53, 5892-5896.	13.8	363
255	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
256	Effects of A-Site Substitutions on Negative Thermal Expansion in PbTiO₃ fromFirst-Principles Calculations. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2014, 30, 1432-1436.	4.9	3
257	Phase evolution and photoluminescence enhancement of CePO4 nanowires from a low phosphate concentration system. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	6
258	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
259	Niobium pentoxide hollow nanospheres with enhanced visible light photocatalytic activity. Journal of Materials Chemistry A, 2013, 1, 11894.	10.3	46
260	First-principles study on negative thermal expansion of PbTiO3. Applied Physics Letters, 2013, 103, .	3.3	17
261	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
262	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
263	Large remanent polarization and small leakage in solâ€“gel derived Bi(Zn_{1/2}Zr_{1/2})O₃â€“PbTiO₃ferroelectric thin films. Dalton Transactions, 2013, 42, 585-590.	3.3	17
264	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
265	Facile and rapid synthesis of multiferroic TbMnO3 single crystalline. Materials Research Bulletin, 2013, 48, 4984-4988.	5.2	12
266	Multiferroic properties and enhanced magnetoelectric coupling in (1Ââ^'Âx)PbTiO3Ââ^'ÂxNdFeO3. Solid State Sciences, 2013, 15, 91-94.	3.2	18
267	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>Pe Physical Review Letters, 2013, 110, 115901.	7.8	102
268	Large Piezoelectric Response and Polarization in Relaxor Ferroelectric <scp><scp>PbTiO</scp></scp>₃â€“<scp><scp>Bi</scp></scp>(<scp><scp>Ni</scp></scp>_{1/2}<scp><scp>Z Journal of the American Ceramic Society, 2013, 96, 1035-1038.	3.8	29
269	Preparation and Electric Properties of <scp><scp>Bi</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>TiO</scp></scp>₃â€ Lead‐Free Piezoceramics. Journal of the American Ceramic Society, 2013, 96, 1171-1175.	3.8	33
270	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

#	Article	IF	Citations
271	Morphology evolution and physical properties of Bi2Mn4O10 synthesized by hydrothermal method. Journal of Crystal Growth, 2013, 380, 1-4.	1.5	6
272	Leaching of zinc from calcined smithsonite using sodium hydroxide. Hydrometallurgy, 2013, 131-132, 89-92.	4.3	23
273	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
274	Large remanent polarization in multiferroic NdFeO₃-PbTiO₃ thin film. Applied Physics Letters, 2013, 103, 082904.	3.3	17
275	Enhanced piezoelectric and ferroelectric properties in the BaZrO3 substituted BiFeO3-PbTiO3. Applied Physics Letters, 2013, 102, .	3.3	64
276	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
277	Preparation and Electric Properties of <scp><scp>Bi</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>TiO</scp></scp>₃â€“Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2013, 96, 3793-3797.	3.8	10
278	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
279	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
280	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
281	Structure, piezoelectric, and ferroelectric properties of BaZrO3 substituted Bi(Mg1/2Ti1/2)O3-PbTiO3 perovskite. Journal of Applied Physics, 2012, 111, .	2.5	20
282	Deaging and Asymmetric Energy Landscapes in Electrically Biased Ferroelectrics. Physical Review Letters, 2012, 108, 177601.	7.8	48
283	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
284	Facile molten salt synthesis of ordered perovskite Ba(Sr1/3Nb2/3)O3 powders. Inorganic Chemistry Communication, 2012, 21, 92-95.	3.9	6
285	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
286	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
287	Temperature Dependence of the Piezoelectric Coefficient in <scp><scp>BiMeO₃</scp></scp>â€“<scp><scp>PbTiO₃</scp></scp> (<scp><scp>Me</scp></scp>Â=Â<scp><scp>Fe</scp>, <scp>Sc</scp></scp>,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 97 Td (Ceramic Society, 2012, 95, 711-715.		
288	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
289	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
290	The Role of Spontaneous Polarization in the Negative Thermal Expansion of Tetragonal PbTiO₃-Based Compounds. Journal of the American Chemical Society, 2011, 133, 11114-11117.	13.7	148
291	Phase Transformation and Negative Thermal Expansion in TaVO₅. Inorganic Chemistry, 2011, 50, 2685-2690.	4.0	42
292	Evidence for (Bi,Pb)â€“O Covalency in the High T_C Ferroelectric PbTiO₃â€“BiFeO₃ with Large Tetragonality. Chemistry of Materials, 2011, 23, 3135-3137.	6.7	102
293	Coprecipitation synthesis and negative thermal expansion of NbVO5. Dalton Transactions, 2011, 40, 3394.	3.3	22
294	Bâ€site Dopant Effect on the Thermal Expansion in the <scp>(1â€x)PbTiO₃â€xBiMeO₃</scp> Solid Solution (<scp>Me</scp> =) Tj ETQq0 0 0 rgBT /Ov 3600-3603.	3.8	12
295	Microstructure and Electrical Properties of (1â^'x)Bi(Li_{1/3}Zr_{2/3})O₃â€“xPbTiO₃ Piezoelectric Ceramics. Journal of the American Ceramic Society, 2010, 93, 1692-1696.	3.8	9
296	A Simple Oxidation Route to Prepare Pseudobrookite from Panzhihua Raw Ilmenite. Journal of the American Ceramic Society, 2010, 93, 2968-2971.	3.8	17
297	Structural evidence for the nonmonotonic trend of TC in tetragonal PbTiO3î—¸BiScO3 solid solutions. Applied Physics Letters, 2010, 96, .	3.3	19
298	Ferroelectric and ferromagnetic properties of Pb(Ti0.8Fe0.2)O3â^'Î´ thin film. Dalton Transactions, 2010, 39, 9952.	3.3	17
299	Thermal Expansion, Ferroelectric and Magnetic Properties in (1 â^') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (x)Pb the American Chemical Society, 2010, 132, 1925-1928.	13.7	79
300	Phase Evolution in Low-Dimensional Niobium Oxide Synthesized by a Topochemical Method. Inorganic Chemistry, 2010, 49, 1397-1403.	4.0	56
301	Effects of Al substitution on the spontaneous polarization and lattice dynamics of the PbTi1â^'xAlxO3. Dalton Transactions, 2010, 39, 5183.	3.3	12
302	Structure and lattice dynamics in PbTiO3â€“Bi(Zn1/2Ti1/2)O3 solid solutions. Journal of Applied Physics, 2009, 105, .	2.5	25
303	Temperature dependence of piezoelectric properties of high-TCâ€ˆBi(Mg1/2Ti1/2)O3â€“PbTiO3. Journal of Applied Physics, 2009, 106, .	2.5	83
304	Molten salt synthesis and phase evolution of Ba(Cd_{1/3}Nb_{2/3})O₃. International Journal of Materials Research, 2009, 100, 1552-1556.	0.3	2
305	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
306	BiScO₃ Doped (Na_{0.5}K_{0.5})NbO₃ Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2009, 92, 130-132.	3.8	54

#	Article	IF	Citations
307	Effect of BiScO₃ and LiNbO₃ on the Piezoelectric Properties of (Na_{0.5}K_{0.5})NbO₃ Ceramics. Journal of the American Ceramic Society, 2009, 92, 1853-1855.	3.8	18
308	Effects of Li Substitution on the Structure and Ferroelectricity of (Na,K)NbO₃. Journal of the American Ceramic Society, 2009, 92, 3033-3036.	3.8	38
309	Raman study of BiFeO3 with different excitation wavelengths. Physica B: Condensed Matter, 2009, 404, 171-174.	2.7	54
310	Wire Structure and Morphology Transformation of Niobium Oxide and Niobates by Molten Salt Synthesis. Chemistry of Materials, 2009, 21, 1207-1213.	6.7	91
311	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
312	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
313	High pressure Raman investigations of multiferroic BiFeO₃. Journal of Physics Condensed Matter, 2009, 21, 385901.	1.8	32
314	Zero thermal expansion in (1â^'x)PbTiO3â€“xBi(Mg,Ti)1/2O3 piezoceramics. Journal of Materials Chemistry, 2009, 19, 1648.	6.7	34
315	Negative thermal expansion in the PbTi_{1â€“x}Fe_x O₃ system. Physica Status Solidi (B): Basic Research, 2008, 245, 2520-2523.	1.5	14
316	Topochemical Synthesis of Micron-Platelet (Na0.5K0.5)NbO3 Particles. European Journal of Inorganic Chemistry, 2008, 2008, 2186-2190.	2.0	17
317	Structure and Shape Evolution of Bi1-xLaxFeO3Perovskite Microcrystals by Molten Salt Synthesis. European Journal of Inorganic Chemistry, 2008, 2008, NA-NA.	2.0	26
318	Large-scale synthesis of single-crystalline platelet Bi3.25La0.75Ti3O12. Materials Letters, 2008, 62, 2332-2334.	2.6	4
319	Structure and negative thermal expansion of Pb1â^'xBixTiO3. Materials Letters, 2008, 62, 4585-4587.	2.6	17
320	Template-Free Hydrothermal Synthesis of CeO₂ Nano-octahedrons and Nanorods: Investigation of the Morphology Evolution. Crystal Growth and Design, 2008, 8, 1474-1477.	3.0	290
321	Synthesis and characterization of (Zn, Mn)TiO3 by modified solâ€“gel route. Journal of Alloys and Compounds, 2008, 456, 353-357.	5.5	15
322	Zero Thermal Expansion in PbTiO₃-Based Perovskites. Journal of the American Chemical Society, 2008, 130, 1144-1145.	13.7	183
323	Controlled Synthesis of CeO₂ 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
324	BiFeO₃-doped (Na_{0.5}K_{0.5})NbO₃lead-free piezoelectric ceramics. Science and Technology of Advanced Materials, 2008, 9, 025004.	6.1	16

#	Article	IF	Citations
325	High spontaneous polarization in PbTiO3â€“BiMeO3 systems with enhanced tetragonality. Applied Physics Letters, 2007, 91, 171907.	3.3	34
326	Crystal structure of microwave dielectric ceramics Ba[(Mg1â^'xCdx)0.33Nb0.67]O3. Powder Diffraction, 2007, 22, 295-299.	0.2	0
327	Rapid Synthesis of Multiferroic BiFeO3Single-Crystalline Nanostructures. Chemistry of Materials, 2007, 19, 3598-3600.	6.7	141
328	Hydrothermal Synthesis of Single Crystalline (K,Na)NbO3 Powders. European Journal of Inorganic Chemistry, 2007, 2007, 1884-1888.	2.0	66
329	Facile alcohothermal synthesis of large-scale ceria nanowires with organic surfactant assistance. Physica B: Condensed Matter, 2007, 390, 59-64.	2.7	27
330	Cation ordering in the microwave dielectric ceramic BaCd1/3Nb2/3O3. Scripta Materialia, 2007, 56, 65-68.	5.2	12
331	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
332	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
333	Structure and negative thermal expansion in the PbTiO3â€“BiFeO3 system. Applied Physics Letters, 2006, 89, 101914.	3.3	101
334	Thermal Expansion Properties of Lanthanum-Substituted Lead Titanate Ceramics. Journal of the American Ceramic Society, 2005, 88, 1356-1358.	3.8	49
335	Structure and enhancement of negative thermal expansion in the PbTiO3â€“CdTiO3 system. Applied Physics Letters, 2005, 87, 231915.	3.3	37
336	Microstructural characterization of solâ€“gel derived Pb1â^'xLaxTiO3 ferroelectrics. Journal of Alloys and Compounds, 2005, 388, 308-313.	5.5	20
337	Structural investigations on ferroelectric Pb1â^'3/2xLaxTiO3 using the x-ray Rietveld method. Journal of Materials Research, 2004, 19, 3614-3619.	2.6	14
338	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
339	Solid solution Pb1â^'xSrxTiO3 and its thermal expansion. Journal of Alloys and Compounds, 2003, 360, 286-289.	5.5	72
340	TEM study of phases and domains in NaNbO3 at room temperature. Physica Status Solidi A, 1988, 109, 171-185.	1.7	68
341	Origin and Absence of Giant Negative Thermal Expansion in Reduced and Oxidized Ca2RuO4. Chemistry of Materials, 0, , .	6.7	14
342	Biaxial negative thermal expansion in Zn[N(CN)₂]₂. Inorganic Chemistry Frontiers, 0, , .	6.0	0