

Jun Chen

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348
ext. papers

11,932
ext. citations

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avg, IF

6.53
L-index

#	Paper	IF	Citations
3 ²³	Recent Advances and Prospects of Cathode Materials for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2015 , 27, 5343-64	24	746
3 ²²	FeSe ₂ Microspheres as a High-Performance Anode Material for Na-Ion Batteries. <i>Advanced Materials</i> , 2015 , 27, 3305-9	24	483
3 ²¹	Ultrasmall Sn Nanoparticles Embedded in Carbon as High-Performance Anode for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2015 , 25, 214-220	15.6	443
3 ²⁰	Urchin-Like CoSe ₂ as a High-Performance Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2016 , 26, 6728-6735	15.6	388
3 ¹⁹	Negative thermal expansion in functional materials: controllable thermal expansion by chemical modifications. <i>Chemical Society Reviews</i> , 2015 , 44, 3522-67	58.5	376
3 ¹⁸	All organic sodium-ion batteries with NaClO ₄ . <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5892-6	16.4	313
3 ¹⁷	MnFe ₂ O ₄ @C Nanofibers as High-Performance Anode for Sodium-Ion Batteries. <i>Nano Letters</i> , 2016 , 16, 3321-8	11.5	283
3 ¹⁶	Template-Free Hydrothermal Synthesis of CeO ₂ Nano-octahedrons and Nanorods: Investigation of the Morphology Evolution. <i>Crystal Growth and Design</i> , 2008 , 8, 1474-1477	3.5	255
3 ¹⁵	Structural and chemical synergistic effect of CoS nanoparticles and porous carbon nanorods for high-performance sodium storage. <i>Nano Energy</i> , 2017 , 35, 281-289	17.1	211
3 ¹⁴	Semiconductor/relaxor 0-3 type composites without thermal depolarization in Bi _{1-x} Na _x TiO ₃ -based lead-free piezoceramics. <i>Nature Communications</i> , 2015 , 6, 6615	17.4	197
3 ¹³	Zero thermal expansion in PbTiO ₃ -based perovskites. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1144-5	16.4	160
3 ¹²	Rapid Synthesis of Multiferroic BiFeO ₃ Single-Crystalline Nanostructures. <i>Chemistry of Materials</i> , 2007 , 19, 3598-3600	9.6	135
3 ¹¹	The role of spontaneous polarization in the negative thermal expansion of tetragonal PbTiO ₃ -based compounds. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11114-7	16.4	122
3 ¹⁰	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , 2018 , 361, 494-497	33.3	121
3 ⁰⁹	Zero thermal expansion and ferromagnetism in cubic Sc _{1-x} M _x F ₃ (M = Ga, Fe) over a wide temperature range. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13566-9	16.4	119
3 ⁰⁸	Controlled Synthesis of CeO ₂ Flower-Like and Well-Aligned Nanorod Hierarchical Architectures by a Phosphate-Assisted Hydrothermal Route. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19896-19900	3.8	112
3 ⁰⁷	Structure and negative thermal expansion in the PbTiO ₃ BiFeO ₃ system. <i>Applied Physics Letters</i> , 2006 , 89, 101914	3.4	90

306	New Insights into the Negative Thermal Expansion: Direct Experimental Evidence for the "Guitar-String" Effect in Cubic ScF ₃ . <i>Journal of the American Chemical Society</i> , 2016 , 138, 8320-3	16.4	88
305	Wire Structure and Morphology Transformation of Niobium Oxide and Niobates by Molten Salt Synthesis. <i>Chemistry of Materials</i> , 2009 , 21, 1207-1213	9.6	87
304	Unusual transformation from strong negative to positive thermal expansion in PbTiO ₃ -BiFeO ₃ perovskite. <i>Physical Review Letters</i> , 2013 , 110, 115901	7.4	85
303	Evidence for (Bi,Pb)O Covalency in the High TC Ferroelectric PbTiO ₃ BiFeO ₃ with Large Tetragonality. <i>Chemistry of Materials</i> , 2011 , 23, 3135-3137	9.6	83
302	Unique Piezoelectric Properties of the Monoclinic Phase in Pb(Zr,Ti)O ₃ Ceramics: Large Lattice Strain and Negligible Domain Switching. <i>Physical Review Letters</i> , 2016 , 116, 027601	7.4	82
301	A study into the extracted ion number for NASICON structured Na ₄ V ₂ (PO ₄) ₃ in sodium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17681-7	3.6	79
300	Tunable thermal expansion in framework materials through redox intercalation. <i>Nature Communications</i> , 2017 , 8, 14441	17.4	76
299	Temperature Dependence of the Piezoelectric Coefficient in BiMeO ₃ -PbTiO ₃ (Me = Fe, Sc, (Mg _{1/2} Ti _{1/2})) Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 711-715	3.8	76
298	Effectively control negative thermal expansion of single-phase ferroelectrics of PbTiO ₃ -(Bi,Lu)FeO ₃ over a giant range. <i>Scientific Reports</i> , 2013 , 3, 2458	4.9	76
297	Stress-induced phase transition in lead-free relaxor ferroelectric composites. <i>Acta Materialia</i> , 2017 , 136, 271-280	8.4	75
296	Domain wall and interphase boundary motion in a two-phase morphotropic phase boundary ferroelectric: Frequency dispersion and contribution to piezoelectric and dielectric properties. <i>Physical Review B</i> , 2012 , 86,	3.3	73
295	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> , 2010 , 132, 1925-8	16.4	73
294	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> , 2009 , 106, 034109	2.5	73
293	Bismuth oxychloride hollow microspheres with high visible light photocatalytic activity. <i>Nano Research</i> , 2016 , 9, 593-601	10	70
292	Pseudo-Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. <i>Advanced Functional Materials</i> , 2020 , 30, 2004302	15.6	70
291	Switching Between Giant Positive and Negative Thermal Expansions of a YFe(CN) ₆ -based Prussian Blue Analogue Induced by Guest Species. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9023-9028	16.4	69
290	Atomic Linkage Flexibility Tuned Isotropic Negative, Zero, and Positive Thermal Expansion in MZrF ₃ (M = Ca, Mn, Fe, Co, Ni, and Zn). <i>Journal of the American Chemical Society</i> , 2016 , 138, 14530-14533	16.4	67
289	A Novel NASICON-Type Na ₂ MnCr(PO ₄) ₃ Demonstrating the Energy Density Record of Phosphate Cathodes for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2020 , 32, e1906348	24	66

288	Hydrothermal Synthesis of Single Crystalline (K,Na)NbO ₃ Powders. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1884-1888	2.3	64
287	Hierarchical Engineering of Porous P2-Na ₂ /3Ni ₁ /3Mn ₂ /3O ₂ Nanofibers Assembled by Nanoparticles Enables Superior Sodium-Ion Storage Cathodes. <i>Advanced Functional Materials</i> , 2020 , 30, 1907837	15.6	64
286	Negative thermal expansion in molecular materials. <i>Chemical Communications</i> , 2018 , 54, 5164-5176	5.8	63
285	Critical Role of Monoclinic Polarization Rotation in High-Performance Perovskite Piezoelectric Materials. <i>Physical Review Letters</i> , 2017 , 119, 017601	7.4	62
284	Solid solution Pb _{1-x} Sr _x TiO ₃ and its thermal expansion. <i>Journal of Alloys and Compounds</i> , 2003 , 360, 286-289	2.8	62
283	TEM study of phases and domains in NaNbO ₃ at room temperature. <i>Physica Status Solidi A</i> , 1988 , 109, 171-185		55
282	Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe) Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 602-605	16.4	54
281	Enhanced piezoelectric and ferroelectric properties in the BaZrO ₃ substituted BiFeO ₃ -PbTiO ₃ . <i>Applied Physics Letters</i> , 2013 , 102, 022905	3.4	54
280	Topochemical molten salt synthesis for functional perovskite compounds. <i>Chemical Science</i> , 2016 , 7, 855-865	9.4	50
279	Phase evolution in low-dimensional niobium oxide synthesized by a topochemical method. <i>Inorganic Chemistry</i> , 2010 , 49, 1397-403	5.1	50
278	Large Photovoltage and Controllable Photovoltaic Effect in PbTiO ₃ -Bi(Ni ₂ /3+xNb ₁ /3)O ₃ Ferroelectrics. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400051	6.4	48
277	Role of Reversible Phase Transformation for Strong Piezoelectric Performance at the Morphotropic Phase Boundary. <i>Physical Review Letters</i> , 2018 , 120, 055501	7.4	47
276	Deaging and asymmetric energy landscapes in electrically biased ferroelectrics. <i>Physical Review Letters</i> , 2012 , 108, 177601	7.4	45
275	Colossal Volume Contraction in Strong Polar Perovskites of Pb(Ti,V)O. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14865-14868	16.4	44
274	Enhanced Piezoelectric Properties and Thermal Stability in the (K _{0.5} Na _{0.5})NbO ₃ :ZnO Lead-Free Piezoelectric Composites. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3935-3941	3.8	42
273	Experimental visualization of the Bi-O covalency in ferroelectric bismuth ferrite (BiFeO ₃) by synchrotron X-ray powder diffraction analysis. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6779-82	3.6	42
272	BiScO ₃ Doped (Na _{0.5} K _{0.5})NbO ₃ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 130-132	3.8	42
271	Raman study of BiFeO ₃ with different excitation wavelengths. <i>Physica B: Condensed Matter</i> , 2009 , 404, 171-174	2.8	42

270	Thermal Expansion Properties of Lanthanum-Substituted Lead Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1356-1358	3.8	42
269	Understanding the superior sodium-ion storage in a novel Na _{3.5} Mn _{0.5} V _{1.5} (PO ₄) ₃ cathode. <i>Energy Storage Materials</i> , 2019 , 23, 25-34	19.4	40
268	Niobium pentoxide hollow nanospheres with enhanced visible light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11894	13	40
267	Enhanced Temperature Stability and Defect Mechanism of BNT-Based Lead-Free Piezoceramics Investigated by a Quenching Process. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800756	6.4	40
266	Discovering Large Isotropic Negative Thermal Expansion in Framework Compound AgB(CN) via the Concept of Average Atomic Volume. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6935-6939	16.4	37
265	Phase transformation and negative thermal expansion in TaVO ₅ . <i>Inorganic Chemistry</i> , 2011 , 50, 2685-90	5.1	35
264	Large resistive switching and switchable photovoltaic response in ferroelectric doped BiFeO ₃ -based thin films by chemical solution deposition. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4706-4712	7.1	34
263	Structure and enhancement of negative thermal expansion in the PbTiO ₃ /dTiO ₃ system. <i>Applied Physics Letters</i> , 2005 , 87, 231915	3.4	34
262	Effects of Li Substitution on the Structure and Ferroelectricity of (Na,K)NbO ₃ . <i>Journal of the American Ceramic Society</i> , 2009 , 92, 3033-3036	3.8	31
261	Zero thermal expansion in (1-x)PbTiO ₃ -xBi(Mg,Ti) _{1/2} O ₃ piezoceramics. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1648		31
260	High spontaneous polarization in PbTiO ₃ /BiMeO ₃ systems with enhanced tetragonality. <i>Applied Physics Letters</i> , 2007 , 91, 171907	3.4	31
259	Unusual Strong Incommensurate Modulation in a Tungsten-Bronze-Type Relaxor PbBiNb ₅ O ₁₅ . <i>Journal of the American Chemical Society</i> , 2015 , 137, 13468-71	16.4	30
258	Preparation and Electric Properties of Bi _{0.5} Na _{0.5} TiO ₃ /Bi(Mg _{0.5} Ti _{0.5})O ₃ Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1171-1175	3.8	30
257	Charge transfer drives anomalous phase transition in ceria. <i>Nature Communications</i> , 2018 , 9, 5063	17.4	30
256	Structural Evidence for Strong Coupling between Polarization Rotation and Lattice Strain in Monoclinic Relaxor Ferroelectrics. <i>Chemistry of Materials</i> , 2017 , 29, 5767-5771	9.6	29
255	Bi _{0.5} Na _{0.5} TiO ₃ :ZnO lead-free piezoelectric composites with deferred thermal depolarization. <i>Applied Physics Letters</i> , 2015 , 106, 232904	3.4	28
254	A New Insight into Cross-Sensitivity to Humidity of SnO Sensor. <i>Small</i> , 2018 , 14, e1703974	11	28
253	High piezoelectric performance in a new Bi-based perovskite of (1-x)Bi(Ni _{1/2} Hf _{1/2})O ₃ -xBiTiO ₃ . <i>Journal of Applied Physics</i> , 2012 , 112, 114120	2.5	28

252	High pressure Raman investigations of multiferroic BiFeO ₃ . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 385901	1.8	28
251	Strong Negative Thermal Expansion in a Low-Cost and Facile Oxide of CuPO. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3088-3093	16.4	27
250	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived Pb(0.8)Co(0.2)TiO ₃ thin films. <i>Dalton Transactions</i> , 2013 , 42, 10358-64	4.3	27
249	Facile alcoholthermal synthesis of large-scale ceria nanowires with organic surfactant assistance. <i>Physica B: Condensed Matter</i> , 2007 , 390, 59-64	2.8	27
248	Large electrostrain and structural evolution in (1-x)[0.94Bi0.5Na0.5TiO ₃ -0.06BaTiO ₃]-xAgNbO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 994-1001	6	27
247	Localized Symmetry Breaking for Tuning Thermal Expansion in ScF Nanoscale Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4477-4480	16.4	26
246	Dual-Strategy of Cation-Doping and Nanoengineering Enables Fast and Stable Sodium-Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. <i>Advanced Science</i> , 2020 , 7, 2002199	13.6	26
245	PbTiO ₃ -based perovskite ferroelectric and multiferroic thin films. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17493-17515	3.6	25
244	TiO ₂ /CdS porous hollow microspheres rapidly synthesized by salt-assistant aerosol decomposition method for excellent photocatalytic hydrogen evolution performance. <i>Dalton Transactions</i> , 2016 , 45, 1160-5	4.3	25
243	Structure and thermal expansion of the tungsten bronze Pb _{1-x} Nb _x O ₃ . <i>Dalton Transactions</i> , 2014 , 43, 7037-43	4.3	24
242	Ordered structure and thermal expansion in tungsten bronze Pb _{1-x} (0.5)Li(0.5)Nb _x O ₃ . <i>Inorganic Chemistry</i> , 2014 , 53, 9174-80	5.1	23
241	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO ₃ -Based Perovskites. <i>Chemistry of Materials</i> , 2019 , 31, 1296-1303	9.6	22
240	High-Curie-Temperature Ferromagnetism in (Sc,Fe)F ₃ Fluorides and its Dependence on Chemical Valence. <i>Advanced Materials</i> , 2015 , 27, 4592-6	24	22
239	Structure and lattice dynamics in PbTiO ₃ Bi(Zn _{1/2} Ti _{1/2})O ₃ solid solutions. <i>Journal of Applied Physics</i> , 2009 , 105, 044105	2.5	22
238	Enhanced piezoelectric and antiferroelectric properties of high-TC perovskite of Zr-substituted Bi(Mg _{1/2} Ti _{1/2})O ₃ -PbTiO ₃ . <i>Journal of Applied Physics</i> , 2012 , 112, 074101	2.5	22
237	Effect of Ba and Pb dual doping on the thermoelectric properties of BiCuSeO ceramics. <i>Materials Letters</i> , 2018 , 217, 189-193	3.3	21
236	Local Structural Distortion Induced Uniaxial Negative Thermal Expansion in Nanosized Semimetal Bismuth. <i>Advanced Science</i> , 2016 , 3, 1600108	13.6	21
235	3D negative thermal expansion in orthorhombic MIL-68(In). <i>Chemical Communications</i> , 2018 , 54, 5712-5713	5.8	21

234	Twin Crystal Induced near Zero Thermal Expansion in SnO Nanowires. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7403-7406	16.4	21
233	Photoluminescence and Temperature Dependent Electrical Properties of Er-Doped 0.94Bi0.5Na0.5TiO3-0.06BaTiO3 Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3877-3882	3.8	21
232	Structure and Shape Evolution of Bi1-xLaxFeO3 Perovskite Microcrystals by Molten Salt Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, NA-NA	2.3	21
231	Negative thermal expansion in cubic FeFe(CN) Prussian blue analogues. <i>Dalton Transactions</i> , 2019 , 48, 3658-3663	4.3	20
230	Urchin-Like Fe Se Hierarchitectures: A Novel Pseudocapacitive Sodium-Ion Storage Anode with Prominent Rate and Cycling Properties. <i>Small</i> , 2020 , 16, e2000504	11	20
229	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5731-5741	16.4	20
228	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe2 Alloys. <i>Chemistry of Materials</i> , 2017 , 29, 7078-7082	9.6	20
227	Large Piezoelectric Response and Polarization in Relaxor Ferroelectric PbTiO3Bi(Ni1/2Zr1/2)O3. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1035-1038	3.8	20
226	Microstructural characterization of sol-gel derived Pb1-xLaxTiO3 ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2005 , 388, 308-313	5.7	20
225	Large negative thermal expansion in non-perovskite lead-free ferroelectric Sn2P2S6. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6247-51	3.6	19
224	Low-Frequency Phonon Driven Negative Thermal Expansion in Cubic GaFe(CN) Prussian Blue Analogues. <i>Inorganic Chemistry</i> , 2018 , 57, 10918-10924	5.1	19
223	Origin of high piezoelectric activity in perovskite ferroelectric ceramics. <i>Applied Physics Letters</i> , 2014 , 104, 242910	3.4	19
222	Extensive domain wall motion and deaging resistance in morphotropic 0.55Bi(Ni1/2Ti1/2)O30.45PbTiO3 polycrystalline ferroelectrics. <i>Applied Physics Letters</i> , 2014 , 104, 132907	3.4	19
221	Leaching of zinc from calcined smithsonite using sodium hydroxide. <i>Hydrometallurgy</i> , 2013 , 131-132, 89-92	4	19
220	Preparation and Electric Properties of Bi0.5Na0.5TiO3Bi(Al0.5Ga0.5)O3 Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3793-3797	3.8	19
219	Structure, piezoelectric, and ferroelectric properties of BaZrO3 substituted Bi(Mg1/2Ti1/2)O3-PbTiO3 perovskite. <i>Journal of Applied Physics</i> , 2012 , 111, 104118	2.5	19
218	Hydration and Thermal Expansion in Anatase Nanoparticles. <i>Advanced Materials</i> , 2016 , 28, 6894-9	24	19
217	Enhanced thermoelectric performances in BiCuSeO oxyselenides via Er and 3D modulation doping. <i>Ceramics International</i> , 2019 , 45, 4493-4498	5.1	19

216	Strong Second Harmonic Generation in a Tungsten Bronze Oxide by Enhancing Local Structural Distortion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7480-7486	16.4	18
215	Lattice dynamics and anharmonicity of CaZrF ₆ from Raman spectroscopy and ab initio calculations. <i>Materials Chemistry and Physics</i> , 2016 , 180, 213-218	4.4	18
214	Structural evidence for the nonmonotonic trend of TC in tetragonal PbTiO ₃ ?BiScO ₃ solid solutions. <i>Applied Physics Letters</i> , 2010 , 96, 252908	3.4	18
213	Tunable Thermal Expansion from Negative, Zero, to Positive in Cubic Prussian Blue Analogues of GaFe(CN) ₆ . <i>Inorganic Chemistry</i> , 2018 , 57, 14027-14030	5.1	18
212	Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting KTiF:Mn for White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20143-20149	9.5	17
211	Large isotropic negative thermal expansion in water-free Prussian blue analogues of ScCo(CN) ₆ . <i>Scripta Materialia</i> , 2020 , 187, 119-124	5.6	17
210	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO ₃ based ferroelectric thin films. <i>Journal of Alloys and Compounds</i> , 2018 , 742, 351-355	5.7	17
209	Large remanent polarization and small leakage in sol-gel derived Bi(Zn(1/2)Zr(1/2))O ₃ -PbTiO ₃ ferroelectric thin films. <i>Dalton Transactions</i> , 2013 , 42, 585-90	4.3	17
208	Multiferroic properties and enhanced magnetoelectric coupling in (1-x)PbTiO ₃ -xNdFeO ₃ . <i>Solid State Sciences</i> , 2013 , 15, 91-94	3.4	17
207	Enhanced Piezoelectric Properties of Tetragonal (Bi _{1/2} K _{1/2})TiO ₃ Lead-Free Ceramics by Substitution of Pure Bi-Based Bi(Mg _{2/3} Nb _{1/3})O ₃ . <i>Journal of the American Ceramic Society</i> , 2015 , 98, 104-108	3.8	17
206	Preparation and Electrical Properties of High-TC Piezoelectric Ceramics of Strontium-Substituted Bi(Ni _{1/2} Ti _{1/2})O ₃ -PbTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1170-1173	3.8	17
205	Coprecipitation synthesis and negative thermal expansion of NbVO ₅ . <i>Dalton Transactions</i> , 2011 , 40, 3394-3397	4.3	17
204	Crystallographic and Raman spectroscopic studies of microwave dielectric ceramics Ba(Ca _{1/3} Nb _{2/3})O ₃ . <i>Journal of Alloys and Compounds</i> , 2009 , 472, 502-506	5.7	17
203	Low-temperature synthesis and characterization of (Zn,Ni)TiO ₃ ceramics by a modified sol-gel route. <i>Journal of Alloys and Compounds</i> , 2006 , 420, 317-321	5.7	17
202	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> , 2020 , 182, 250-256	8.4	17
201	Electric-field-induced structure and domain texture evolution in PbZrO ₃ -based antiferroelectric by in-situ high-energy synchrotron X-ray diffraction. <i>Acta Materialia</i> , 2020 , 184, 41-49	8.4	17
200	Negative thermal expansion in (Sc,Ti)Fe ₂ induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , 2020 , 7, 275-281	14.4	17
199	Opposite Thermal Expansion in Isostructural Noncollinear Antiferromagnetic Compounds of Mn ₃ A (A = Ge and Sn). <i>Chemistry of Materials</i> , 2018 , 30, 6236-6241	9.6	17

198	An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. <i>Materials Horizons</i> , 2020 , 7, 1912-1918	14.4	16
197	Rapid Molten Salt Synthesis of Isotropic Negative Thermal Expansion ScF ₃ . <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1009-1011	3.8	16
196	Ferroelectric and ferromagnetic properties of Pb(Ti(0.8)Fe(0.2))O ₃ thin film. <i>Dalton Transactions</i> , 2010 , 39, 9952-5	4.3	16
195	Structure and negative thermal expansion of Pb _{1-x} BixTiO ₃ . <i>Materials Letters</i> , 2008 , 62, 4585-4587	3.3	16
194	Topochemical Synthesis of Micron-Platelet (Na _{0.5} K _{0.5})NbO ₃ Particles. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2186-2190	2.3	16
193	Structure and Phase Transformation in the Giant Magnetostriction Laves-Phase SmFe. <i>Inorganic Chemistry</i> , 2018 , 57, 689-694	5.1	15
192	Lattice distortion and orbital hybridization in NdFeO ₃ -PbTiO ₃ ferroelectric thin films. <i>Dalton Transactions</i> , 2016 , 45, 1554-9	4.3	15
191	The electrowinning of zinc from sodium hydroxide solutions. <i>Hydrometallurgy</i> , 2014 , 146, 59-63	4	15
190	Temperature dependences of the ferroelectric and dielectric properties of high curie temperature PbTiO ₃ BiScO ₃ Bi(Zn _{1/2} Zr _{1/2})O ₃ . <i>Materials Research Bulletin</i> , 2013 , 48, 2006-2009	5.1	15
189	First-principles study on negative thermal expansion of PbTiO ₃ . <i>Applied Physics Letters</i> , 2013 , 103, 221901	3.4	15
188	Local Chemical Ordering and Negative Thermal Expansion in PtNi Alloy Nanoparticles. <i>Nano Letters</i> , 2017 , 17, 7892-7896	11.5	15
187	Large remanent polarization in multiferroic NdFeO ₃ -PbTiO ₃ thin film. <i>Applied Physics Letters</i> , 2013 , 103, 082904	3.4	15
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185	Synthesis and characterization of (Zn, Mn)TiO ₃ by modified sol-gel route. <i>Journal of Alloys and Compounds</i> , 2008 , 456, 353-357	5.7	15
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