

# Clive A Randall

## List of Publications by Citations

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#	Paper	IF	Citations
455	Intrinsic and Extrinsic Size Effects in Fine-Grained Morphotropic-Phase-Boundary Lead Zirconate Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 677-688	3.8	778
454	New High Temperature Morphotropic Phase Boundary Piezoelectrics Based on Bi(Me)O <sub>3</sub> PbTiO <sub>3</sub> Ceramics. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, 5999-6002	1.4	709
453	Preparation and Characterization of High Temperature Perovskite Ferroelectrics in the Solid-Solution (1-x)BiScO <sub>3</sub> ∓PbTiO <sub>3</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 2099-2104	1.4	437
452	High-Energy Density Capacitors Utilizing 0.7 BaTiO <sub>3</sub> ∓0.3 BiScO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1719-1724	3.8	380
451	Grain size and domain size relations in bulk ceramic ferroelectric materials. <i>Journal of Physics and Chemistry of Solids</i> , <b>1996</b> , 57, 1499-1505	3.9	360
450	Crystal and Defect Chemistry of Rare Earth Cations in BaTiO <sub>3</sub> <b>2001</b> , 7, 25-34		327
449	Nanostructural-Property Relations in Complex Lead Perovskites. <i>Japanese Journal of Applied Physics</i> , <b>1990</b> , 29, 327-333	1.4	317
448	Giant Electrocaloric Response Over A Broad Temperature Range in Modified BaTiO <sub>3</sub> Ceramics. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1300-1305	15.6	307
447	Classification and consequences of complex lead perovskite ferroelectrics with regard to B-site cation order. <i>Journal of Materials Research</i> , <b>1990</b> , 5, 829-834	2.5	296
446	. <i>IEEE Electrical Insulation Magazine</i> , <b>2010</b> , 26, 44-50	2.1	285
445	Weakly Coupled Relaxor Behavior of BaTiO <sub>3</sub> BiScO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 110-118	3.8	263
444	Investigation of the dielectric properties of bismuth pyrochlores. <i>Solid State Communications</i> , <b>1996</b> , 100, 529-534	1.6	250
443	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11457-61	16.4	229
442	Bismuth zinc niobate pyrochlore dielectric thin films for capacitive applications. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 767-774	2.5	219
441	Crystal and domain structure of the BiFeO <sub>3</sub> ∓PbTiO <sub>3</sub> solid solution. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 3313-3318	2.5	217
440	High Strain Piezoelectric Multilayer Actuators∓A Material Science and Engineering Challenge. <i>Journal of Electroceramics</i> , <b>2005</b> , 14, 177-191	1.5	204
439	Structural Study of an Unusual Cubic Pyrochlore Bi <sub>1.5</sub> Zn <sub>0.92</sub> Nb <sub>1.5</sub> O <sub>6.92</sub> . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 168, 69-75	3.3	198

438	Investigation of a high T <sub>c</sub> piezoelectric system: (1-x)Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> (x)PbTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 3633-3639	2.5	179
437	Intrinsic Size Effects in a Barium Titanate Glass-Ceramic. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 81, 979-987	3.8	178
436	Anomalous broad dielectric relaxation in Bi <sub>1.5</sub> Zn <sub>1.0</sub> Nb <sub>1.5</sub> O <sub>7</sub> pyrochlore. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	174
435	Cold Sintering Process: A Novel Technique for Low-Temperature Ceramic Processing of Ferroelectrics. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3489-3507	3.8	171
434	High field properties and energy storage in nanocomposite dielectrics of poly(vinylidene fluoride-hexafluoropropylene). <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 044107	2.5	171
433	High Curie temperature piezocrystals in the BiScO <sub>3</sub> -PbTiO <sub>3</sub> perovskite system. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3150-3152	3.4	170
432	Oxygen nonstoichiometry and dielectric evolution of BaTiO <sub>3</sub> . Part III Insulation resistance degradation under applied dc bias. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 7500-7508	2.5	164
431	Phase Diagram of the Perovskite System (1-x)BiScO <sub>3</sub> -xPbTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 2828-2831	2.5	162
430	Lead-free antiferroelectric: xCaZrO <sub>3</sub> -(1-x)NaNbO <sub>3</sub> system (0 ≤ x ≤ 1.0). <i>Dalton Transactions</i> , <b>2015</b> , 44, 10763-72	4.3	160
429	Microwave Dielectric Properties of Li <sub>2</sub> WO <sub>4</sub> Ceramic with Ultra-Low Sintering Temperature. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 348-350	3.8	158
428	Site Occupancy of Rare-Earth Cations in BaTiO <sub>3</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, 255-258	1.4	156
427	Oxygen nonstoichiometry and dielectric evolution of BaTiO <sub>3</sub> . Part II Improvement of insulation resistance with reoxidation. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 7492-7499	2.5	154
426	Microwave Dielectric Ceramics in Li <sub>2</sub> O:Bi <sub>2</sub> O <sub>3</sub> :MoO <sub>3</sub> System with Ultra-Low Sintering Temperatures. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1096-1100	3.8	153
425	Dielectric relaxation in Bi <sub>2</sub> O <sub>3</sub> :ZnO:Nb <sub>2</sub> O <sub>5</sub> cubic pyrochlore. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 4512-4516	3.5	149
424	Elastic, piezoelectric, and dielectric characterization of modified BiScO <sub>3</sub> -PbTiO <sub>3</sub> ceramics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2005</b> , 52, 2131-9	3.2	145
423	Cold Sintering Process of Composites: Bridging the Processing Temperature Gap of Ceramic and Polymer Materials. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7115-7121	15.6	143
422	Nonlinear contributions to the dielectric permittivity and converse piezoelectric coefficient in piezoelectric ceramics. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 124110	2.5	141
421	Manganese-modified BiScO <sub>3</sub> :PbTiO <sub>3</sub> piezoelectric ceramic for high-temperature shear mode sensor. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 262904	3.4	138

420	Preparation and Size Effect in Pure Nanocrystalline Barium Titanate Ceramics. <i>Ferroelectrics</i> , <b>2003</b> , 288, 93-102	0.6	133
419	A Novel Approach to Sintering Nanocrystalline Barium Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 3008-3012	3.8	131
418	Structure and property investigation of a Bi-based perovskite solid solution: $(1-x)\text{Bi}(\text{Ni}_{1-x}\text{Ti}_x)\text{O}_3-x\text{PbTiO}_3$ . <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 034108	2.5	130
417	Fabrication of Dense Zirconia Electrolyte Films for Tubular Solid Oxide Fuel Cells by Electrophoretic Deposition. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 33-40	3.8	125
416	Influence of Ce substitution for Bi in $\text{BiVO}_4$ and the impact on the phase evolution and microwave dielectric properties. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1048-55	5.1	124
415	A TEM study of ordering in the perovskite, $\text{Pb}(\text{Sc}_{1/2}\text{Ta}_{1/2})\text{O}_3$ . <i>Journal of Materials Science</i> , <b>1986</b> , 21, 4456-4462	4.3	124
414	Demonstration of the cold sintering process study for the densification and grain growth of ZnO ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 546-553	3.8	120
413	Cold sintering: Current status and prospects. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 3205-3218	2.5	119
412	$\text{Bi}_2\text{O}_3\text{-MoO}_3$ Binary System: An Alternative Ultralow Sintering Temperature Microwave Dielectric. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 2242-2246	3.8	117
411	Medium permittivity bismuth zinc niobate thin film capacitors. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 1941-1947	2.5	114
410	Hydrothermal-Assisted Cold Sintering Process: A New Guidance for Low-Temperature Ceramic Sintering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 20909-15	9.5	114
409	TEM studies of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ ferroelectric relaxors. <i>Ferroelectrics</i> , <b>1989</b> , 93, 379-386	0.6	109
408	A Crystal-Chemical Framework for Relaxor versus Normal Ferroelectric Behavior in Tetragonal Tungsten Bronzes. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3250-3261	9.6	107
407	Ferroelectric domain configurations in a modified-PZT ceramic. <i>Journal of Materials Science</i> , <b>1987</b> , 22, 925-931	4.3	105
406	Cold Sintered Ceramic Nanocomposites of 2D MXene and Zinc Oxide. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801846	2.5	104
405	Structure property relationships in core-shell $\text{BaTiO}_3\text{-PbF}_2$ ceramics. <i>Journal of Materials Research</i> , <b>1993</b> , 8, 871-879	2.5	103
404	Vacancy ordering in reduced barium titanate. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 4650-4652	3.4	102
403	Protocol for Ultralow-Temperature Ceramic Sintering: An Integration of Nanotechnology and the Cold Sintering Process. <i>ACS Nano</i> , <b>2016</b> , 10, 10606-10614	16.7	101

402	Classification of transition temperature behavior in ferroelectric $\text{PbTiO}_3\text{Bi}(\text{Me}^? \text{Me}^?)\text{O}_3$ solid solutions. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 024106	2.5	100
401	Electron Paramagnetic Resonance Investigations of Lanthanide-Doped Barium Titanate: Dopant Site Occupancy. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 908-917	3.4	99
400	Thermally Stimulated Relaxation in Fe-Doped $\text{SrTiO}_3$ Systems:I. Single Crystals. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3245-3250	3.8	97
399	Cold sintering process: A new era for ceramic packaging and microwave device development. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 669-677	3.8	96
398	High Energy Density, High Temperature Capacitors Utilizing Mn-Doped $0.8\text{CaTiO}_3\text{0.2CaHfO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 1348-1355	3.8	93
397	Thermally Stimulated Relaxation in Fe-Doped $\text{SrTiO}_3$ Systems: II. Degradation of $\text{SrTiO}_3$ Dielectrics. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3251-3257	3.8	93
396	Incommensurate structures in highly ordered complex perovskites $\text{Pb}(\text{Co}_{1/2}\text{W}_{1/2})\text{O}_3$ and $\text{Pb}(\text{Sc}_{1/2}\text{Ta}_{1/2})\text{O}_3$ . <i>Physical Review B</i> , <b>1989</b> , 40, 413-416	3.3	88
395	Modified Phase Diagram for the Barium Oxide-Titanium Dioxide System for the Ferroelectric Barium Titanate. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 2589-2594	3.8	87
394	Extrinsic contributions to the grain size dependence of relaxor ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ : $\text{PbTiO}_3$ ceramics. <i>Journal of Materials Research</i> , <b>1993</b> , 8, 880-884	2.5	86
393	Origin of the "waterfall" effect in phonon dispersion of relaxor perovskites. <i>Physical Review Letters</i> , <b>2003</b> , 91, 107602	7.4	83
392	Modulated and ordered defect structures in electrically degraded $\text{NiBaTiO}_3$ multilayer ceramic capacitors. <i>Journal of Applied Physics</i> , <b>2003</b> , 94, 5990-5996	2.5	83
391	Crystal growth and characterization of new high Curie temperature $(1-x)\text{BiScO}_3-x\text{PbTiO}_3$ single crystals. <i>Journal of Crystal Growth</i> , <b>2002</b> , 236, 210-216	1.6	82
390	Ferroelectric-thermoelectricity and Mott transition of ferroelectric oxides with high electronic conductivity. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 3971-3988	6	80
389	Synthesis of Nanosized Silver Platelets in Octylamine-Water Bilayer Systems. <i>Langmuir</i> , <b>2002</b> , 18, 8692-8699	4.99	80
388	Epoxy-based nanocomposites for electrical energy storage. I: Effects of montmorillonite and barium titanate nanofillers. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 074116	2.5	79
387	Octahedral tilt-suppression of ferroelectric domain wall dynamics and the associated piezoelectric activity in $\text{Pb}(\text{Zr,Ti})\text{O}_3$ . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	79
386	Low temperature synthesis of lead titanate by a hydrothermal method. <i>Journal of Materials Research</i> , <b>1997</b> , 12, 189-197	2.5	78
385	Cold Sintering: Progress, Challenges, and Future Opportunities. <i>Annual Review of Materials Research</i> , <b>2019</b> , 49, 275-295	12.8	76

- 384 High-Energy Density Dielectrics and Capacitors for Elevated Temperatures:  $\text{Ca}(\text{Zr},\text{Ti})\text{O}_3$ . *Journal of the American Ceramic Society*, **2013**, 96, 1209-1213 3.8 76
- 383 Crystal structure of the compound  $\text{Bi}_2\text{Zn}_2/3\text{Nb}_4/3\text{O}_7$ . *Journal of Materials Research*, **2002**, 17, 1406-1411 1.5 76
- 382 Phase transition, Raman spectra, infrared spectra, band gap and microwave dielectric properties of low temperature firing  $(\text{Na}_{0.5}\text{xBi}_{1-0.5}\text{X})(\text{MoxV}_{1-x})\text{O}_4$  solid solution ceramics with scheelite structures. *Journal of Materials Chemistry*, **2011**, 21, 18412 75
- 381 Microwave Dielectric Properties of  $\text{Li}_2(\text{M}^{2+})_2\text{Mo}_3\text{O}_{12}$  and  $\text{Li}_3(\text{M}^{3+})\text{Mo}_3\text{O}_{12}$  ( $\text{M}=\text{Zn}, \text{Ca}, \text{Al}, \text{and In}$ ) Lyonsite-Related-Type Ceramics with Ultra-Low Sintering Temperatures. *Journal of the American Ceramic Society*, **2011**, 94, 802-805 3.8 73
- 380 Dielectric and Piezoelectric Properties of High Curie Temperature Single Crystals in the  $\text{Pb}(\text{Yb}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-PbTiO}_3$  Solid Solution Series. *Japanese Journal of Applied Physics*, **2002**, 41, 722-726 1.4 73
- 379 Electrophoretic deposition and sintering of thin/Thick PZT films. *Journal of the European Ceramic Society*, **1999**, 19, 955-958 6 73
- 378 Crystal growth and electrical properties of  $\text{Pb}(\text{Yb}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-PbTiO}_3$  perovskite single crystals. *Journal of Crystal Growth*, **2002**, 234, 415-420 1.6 71
- 377 Structural and Dielectric Properties in  $(1-x)\text{BaTiO}_3\text{-xBi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$  Ceramics ( $0.1 \leq x \leq 0.5$ ) and Potential for High-Voltage Multilayer Capacitors. *Journal of the American Ceramic Society*, **2013**, 96, 2197-2202 2.8 70
- 376 Addition of a Sr, K, Nb (SKN) Combination to PZT(53/47) for High Strain Applications. *Journal of the American Ceramic Society*, **2007**, 90, 490-495 3.8 70
- 375  $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$  Ferroelectric-thermoelectrics: Crystal anisotropy, conduction mechanism, and power factor. *Applied Physics Letters*, **2010**, 96, 031910 3.4 69
- 374 Difference between resistance degradation of fixed valence acceptor (Mg) and variable valence acceptor (Mn)-doped  $\text{BaTiO}_3$  ceramics. *Journal of Applied Physics*, **2010**, 108, 064101 2.5 69
- 373 A Route Forwards to Narrow the Performance Gap between PZT and Lead-Free Piezoelectric Ceramic with Low Oxygen Partial Pressure Processed  $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$ . *Journal of the American Ceramic Society*, **2012**, 95, 2928-2933 3.8 68
- 372 Effect of Acceptor (Mg) Concentration on the Resistance Degradation Behavior in Acceptor (Mg)-Doped  $\text{BaTiO}_3$  Bulk Ceramics: I. Impedance Analysis. *Journal of the American Ceramic Society*, **2009**, 92, 1758-1765 3.8 68
- 371 Dielectric and piezoelectric properties of niobium-modified  $\text{BiInO}_3\text{-PbTiO}_3$  perovskite ceramics with high Curie temperatures. *Journal of Materials Research*, **2005**, 20, 2067-2071 2.5 68
- 370 Scientific and Engineering Issues of the State-of-the-Art and Future Multilayer Capacitors.. *Journal of the Ceramic Society of Japan*, **2001**, 109, S2-S6 68
- 369 Growth and characterization of Fe-doped  $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$  single crystals. *Journal of Applied Physics*, **2003**, 93, 9257-9262 2.5 66
- 368 Influence of nonstoichiometry on ferroelectric phase transition in  $\text{BaTiO}_3$ . *Journal of Applied Physics*, **2007**, 101, 054119 2.5 65
- 367 Characterization of perovskite piezoelectric single crystals of  $0.43\text{BiScO}_3\text{-0.57PbTiO}_3$  with high Curie temperature. *Journal of Applied Physics*, **2004**, 95, 4291-4295 2.5 65

366	Defect chemistry and resistance degradation in Fe-doped SrTiO <sub>3</sub> single crystal. <i>Acta Materialia</i> , <b>2016</b> , 108, 229-240	8.4	64
365	Transmission electron microscopy investigation of the high temperature BiScO <sub>3</sub> /PbTiO <sub>3</sub> piezoelectric ceramic system. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 9271-9274	2.5	63
364	Correlation between infrared phonon modes and dielectric relaxation in Bi <sub>2</sub> O <sub>3</sub> /nNb <sub>2</sub> O <sub>5</sub> cubic pyrochlore. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4404-4406	3.4	63
363	Cold sintering process of Li <sub>1.5</sub> Al <sub>0.5</sub> Ge <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> solid electrolyte. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2123-2135	3.8	62
362	Phase evolution, phase transition, and microwave dielectric properties of scheelite structured xBi <sub>1/3</sub> Mo <sub>2/3</sub> O <sub>4</sub> (1-x)BiVO <sub>4</sub> (0.0 ≤ x ≤ 1.0) low temperature firing ceramics. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21412		61
361	TEM study of the disorder-order perovskite, Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> . <i>Journal of Materials Science</i> , <b>1988</b> , 23, 3678-3682	4.3	61
360	Critical slowing down mechanism and reentrant dipole glass phenomena in (1-x)BaTiO <sub>3</sub> -xBiScO <sub>3</sub> (0.1 ≤ x ≤ 0.4): The high energy density dielectrics. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	60
359	Orientation dependence of fatigue behavior in relaxor ferroelectric PbTiO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 3965-3972	2.5	59
358	Size and scaling effects in barium titanate. An overview. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 3744-3758	6	58
357	Fatigue anisotropy in single crystal Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 7272-7277		58
356	Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 1409-1417	15.6	57
355	Thermopower in highly reduced n-type ferroelectric and related perovskite oxides and the role of heterogeneous nonstoichiometry. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	57
354	Phase formation and reactions in the Bi <sub>2</sub> O <sub>3</sub> /nNb <sub>2</sub> O <sub>5</sub> /Ag pyrochlore system. <i>Journal of Materials Research</i> , <b>2001</b> , 16, 1460-1464	2.5	57
353	Strategy for stabilization of the antiferroelectric phase (Pbma) over the metastable ferroelectric phase (P21ma) to establish double loop hysteresis in lead-free (1-x)NaNbO <sub>3</sub> -xSrZrO <sub>3</sub> solid solution. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 214103	2.5	56
352	Recent Progress in Applications of the Cold Sintering Process for Ceramic/Polymer Composites. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801724	15.6	56
351	Utilizing the Cold Sintering Process for Flexible/Printable Electroceramic Device Fabrication. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3202-3204	3.8	55
350	Field-induced piezoelectric response in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /PbTiO <sub>3</sub> single crystals. <i>Solid State Communications</i> , <b>2006</b> , 137, 16-20	1.6	55
349	Phase Relations and Dielectric Properties in the Bi <sub>2</sub> O <sub>3</sub> /nNb <sub>2</sub> O <sub>5</sub> System. <i>Journal of the American Ceramic Society</i> , <b>2001</b> , 84, 2557-2562	3.8	55

348	Correlation Between Resistance Degradation and Thermally Stimulated Depolarization Current in Acceptor (Mg)-Doped BaTiO <sub>3</sub> Submicrometer Fine-Grain Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1950	3.8	54
347	High-temperature perovskite relaxor ferroelectrics: A comparative study. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 054107	2.5	54
346	Advantages of Low Partial Pressure of Oxygen Processing of Alkali Niobate: NaNbO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1791-1796	3.8	53
345	Local structure of Ba(Ti,Zr)O <sub>3</sub> perovskite-like solid solutions and its relation to the band-gap behavior. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	53
344	FDTD study of resonance Processes in metamaterials. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 1477-1487	4.1	53
343	Ultra-Low Firing High-k Scheelite Structures Based on [(Li <sub>0.5</sub> Bi <sub>0.5</sub> ) <sub>x</sub> Bi <sub>1-x</sub> ][MoxV <sub>1-x</sub> ]O <sub>4</sub> Microwave Dielectric Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2147-2150	3.8	52
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