

# Andrew Bell

## List of Publications by Year in Descending Order

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

125  
papers

4,126  
citations

32  
h-index

61  
g-index

149  
ext. papers

4,621  
ext. citations

4.1  
avg, IF

5.68  
L-index

#	Paper	IF	Citations
125	The influence of oxygen vacancies on piezoelectricity in samarium-doped Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> ceramics. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 2678-2688	3.8	2
124	One Site, Two Cations, Three Environments: s and s Electronic Configurations Generate Pb-Free Relaxor Behavior in a Perovskite Oxide. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 1386-1398	16.4	1
123	Expanding the application space for piezoelectric materials. <i>APL Materials</i> , <b>2021</b> , 9, 010901	5.7	11
122	Reporting Excellent Transverse Piezoelectric and Electro-Optic Effects in Transparent Rhombohedral PMN-PT Single Crystal by Engineered Domains. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103013	24	11
121	High voltage coefficient piezoelectric materials and their applications. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 6115-6129	6	9
120	Balancing hyperbole and impact in research communications related to lead-free piezoelectric materials. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 10971-10974	4.3	3
119	Landau-Devonshire derived phase diagram of the BiFeO <sub>3</sub> /PbTiO <sub>3</sub> solid solution. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 104102	2.5	4
118	Domain wall contributions to piezoelectricity in relaxor-lead titanate single crystals. <i>Acta Materialia</i> , <b>2020</b> , 195, 292-303	8.4	9
117	Highly charged 180 degree head-to-head domain walls in lead titanate. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	6
116	Macroscopic polarization in the nominally ergodic relaxor state of lead magnesium niobate. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 102901	3.4	3
115	Ferroelectric Behavior in Exfoliated 2D Aurivillius Oxide Flakes of Sub-Unit Cell Thickness. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901264	6.4	13
114	Effects of poling and crystallinity on the dielectric properties of Pb(InNb)O-Pb(MgNb)O-PbTiO at cryogenic temperatures. <i>Scientific Reports</i> , <b>2019</b> , 9, 2442	4.9	6
113	Requirements for the transfer of lead-free piezoceramics into application. <i>Journal of Materiomics</i> , <b>2018</b> , 4, 13-26	6.7	121
112	High-Performance Piezoelectric Crystals, Ceramics, and Films. <i>Annual Review of Materials Research</i> , <b>2018</b> , 48, 191-217	12.8	76
111	Lead-free piezoelectrics—the environmental and regulatory issues. <i>MRS Bulletin</i> , <b>2018</b> , 43, 581-587	3.2	109
110	Crystallographic and magnetic investigations of textured bismuth ferrite lead titanate layers. <i>Materials Research Express</i> , <b>2018</b> , 5, 126103	1.7	
109	Temperature Dependence of Domain Contributions as a Function of Aging in Soft and Hard Lead Zirconate Titanate Piezoelectric Ceramics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2017</b> , 64, 1023-1028	3.2	7

108	Epitaxial Bi <sub>9</sub> Ti <sub>3</sub> Fe <sub>5</sub> O <sub>27</sub> thin films: a new type of layer-structure room-temperature multiferroic. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7720-7725	7.1	3
107	Electric field dependent local structure of (K <sub>x</sub> Na <sub>1-x</sub> ) <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	13
106	In situ production of titanium dioxide nanoparticles in molten salt phase for thermal energy storage and heat-transfer fluid applications. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 150	2.3	35
105	Multiferroic Clusters: A New Perspective for Relaxor-Type Room-Temperature Multiferroics. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2111-2121	15.6	37
104	Simple technique for high-throughput marking of distinguishable micro-areas for microscopy. <i>Journal of Microscopy</i> , <b>2016</b> , 262, 28-32	1.9	1
103	An equivalent dipole analysis of PZT ceramics and lead-free piezoelectric single crystals. <i>Journal of Advanced Dielectrics</i> , <b>2016</b> , 06, 1650010	1.3	
102	Synthesis of nano-structured Bi <sub>1-x</sub> Ba <sub>x</sub> FeO <sub>3</sub> ceramics with enhanced magnetic and electrical properties. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 162, 106-112	4.4	21
101	Morphotropic Phase Boundary in the Pb-Free (1 - x)BiTi(3/8)Fe(2/8)Mg(3/8)O <sub>1-x</sub> CaTiO <sub>3-x</sub> System: Tetragonal Polarization and Enhanced Electromechanical Properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 2883-29	2.4	24
100	Characterization of thick bismuth ferrite/lead titanate films processed by tape casting and templated grain growth. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 4453-4458	6	4
99	Piezoelectric materials for high temperature transducers and actuators. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 9256-9267	2.1	68
98	PENDEXE: A novel energy harvesting concept for low frequency human waistline. <i>Sensors and Actuators A: Physical</i> , <b>2015</b> , 222, 39-47	3.9	17
97	Electrocaloric enhancement near the morphotropic phase boundary in lead-free NBT-KBT ceramics. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 172903	3.4	82
96	Choice of tip, signal stability, and practical aspects of piezoresponse-force-microscopy. <i>Review of Scientific Instruments</i> , <b>2015</b> , 86, 083707	1.7	16
95	A classical mechanics model for the interpretation of piezoelectric property data. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 224103	2.5	5
94	Variation of Piezoelectric properties and mechanisms across the relaxor-like/Ferroelectric continuum in BiFeO <sub>3</sub> -(K <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> -PbTiO <sub>3</sub> ceramics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2015</b> , 62, 33-45	3.2	4
93	Large Electrostrictive Strain in (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> BaTiO <sub>3</sub> (Sr <sub>0.7</sub> Bi <sub>0.2</sub> )TiO <sub>3</sub> Solid Solutions. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 848-853	3.8	121
92	Microstructure development of BiFeO <sub>3</sub> BbTiO <sub>3</sub> films deposited by pulsed laser deposition on platinum substrates. <i>Acta Materialia</i> , <b>2014</b> , 66, 44-53	8.4	3
91	Temperature dependence of the intrinsic and extrinsic contributions in BiFeO <sub>3</sub> -(K <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> -PbTiO <sub>3</sub> piezoelectric ceramics. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 094102	2.5	19

90	Texture analysis of thick bismuth ferrite lead titanate layers <b>2014</b> ,		1
89	Reversible piezomagnetolectric switching in bulk polycrystalline ceramics. <i>APL Materials</i> , <b>2014</b> , 2, 086105		2
88	Tailoring the structure and piezoelectric properties of BiFeO <sub>3</sub> -(K <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> PbTiO <sub>3</sub> ceramics for high temperature applications. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 152901	3.4	27
87	Electric-field-induced phase switching in textured Ba-doped bismuth ferrite lead titanate <b>2013</b> ,		1
86	Multiferroic properties of BiFeO <sub>3</sub> -(K <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> ceramics. <i>Materials Letters</i> , <b>2013</b> , 94, 172-175	3.3	28
85	Exceptionally large piezoelectric strains in BiFeO <sub>3</sub> -(K <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> PbTiO <sub>3</sub> ceramics. <i>Scripta Materialia</i> , <b>2013</b> , 68, 491-494	5.6	24
84	Pressure induced para-antiferromagnetic switching in BiFeO <sub>3</sub> PbTiO <sub>3</sub> as determined using in-situ neutron diffraction. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 183910	2.5	14
83	Perovskite B-site compositional control of [110] <sub>p</sub> polar displacement coupling in an ambient-pressure-stable bismuth-based ferroelectric. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 10770-5	16.4	11
82	The effect of post deposition anneal temperature on the structure of BiFeO <sub>3</sub> PbTiO <sub>3</sub> thin films. <i>Thin Solid Films</i> , <b>2012</b> , 524, 26-29	2.2	4
81	Synchrotron texture analysis of thick BiFeO <sub>3</sub> -PbTiO <sub>3</sub> layers synthesised by tape casting using Aurivillius and non-Aurivillius templates <b>2012</b> ,		1
80	Crystallographic and magnetic identification of secondary phase in orientated Bi <sub>5</sub> Fe <sub>0.5</sub> Co <sub>0.5</sub> Ti <sub>3</sub> O <sub>15</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 073919	2.5	28
79	Chemical control of octahedral tilting and off-axis A cation displacement allows ferroelectric switching in a bismuth-based perovskite. <i>Chemical Science</i> , <b>2012</b> , 3, 1426	9.4	24
78	Local resistive switching of Nd doped BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 133505	3.4	25
77	Growth and Characterization of High Quality BiFeO <sub>3</sub> -PbTiO <sub>3</sub> Single Crystals. <i>Integrated Ferroelectrics</i> , <b>2012</b> , 132, 1-8	0.8	2
76	On the phase identity and its thermal evolution of lead free (Bi <sub>1/2</sub> Na <sub>1/2</sub> )TiO <sub>3</sub> -6 mol% BaTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 074106	2.5	638
75	Dielectric and piezoelectric properties in the lead-free system Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> -BiScO <sub>3</sub> -LiTaO <sub>3</sub> . <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2011</b> , 58, 1811-8	3.2	21
74	Phase diagram and structure-property relationships in the lead-free piezoelectric system: Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> -LiTaO <sub>3</sub> . <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2011</b> , 58, 1819-25	3.2	24
73	Antiferromagnetic order in tetragonal bismuth ferrite/lead titanate. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2011</b> , 323, 2533-2535	2.8	26

72	Diffuse dielectric behaviour in $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3\text{-LiTaO}_3\text{-BiScO}_3$ lead-free ceramics. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 411-417	4.4	44
71	Reactive template grain growth of $\text{BiFeO}_3\text{-PbTiO}_3$ by using $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ , $\text{PbBi}_4\text{Ti}_4\text{O}_{15}$ and $\text{SrTiO}_3$ as templates <b>2011</b> ,		1
70	Observation of a time-dependent structural phase transition in potassium sodium bismuth titanate. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 182904	3.4	27
69	Electron Backscattered Diffraction of MonoCrystalline Bismuth Titanate. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3604-3606	3.8	5
68	Electric-field-induced phase switching in the lead free piezoelectric potassium sodium bismuth titanate. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 132909	3.4	70
67	Effect of different templates on reactive templated grain growth of $\text{BiFeO}_3\text{-PbTiO}_3$ <b>2010</b> ,		1
66	Towards the development of efficient low frequency piezoelectric energy harvesters <b>2010</b> ,		1
65	Influence of the thickness on structural, magnetic and electrical properties of $\text{BiFeO}_3\text{-PbTiO}_3$ thin film prepared by pulsed laser deposition <b>2010</b> ,		2
64	High temperature piezoelectric ceramics in the $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-BiFeO}_3\text{-BiScO}_3\text{-PbTiO}_3$ system. <i>Journal of Electroceramics</i> , <b>2010</b> , 25, 130-134	1.5	25
63	Change in periodicity of the incommensurate magnetic order towards commensurate order in bismuth ferrite lead titanate. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2010</b> , 322, L64-L67	2.8	36
62	LASER TRANSFER PROCESSING AND THE INTEGRATION OF FERROELECTRIC FILMS. <i>Integrated Ferroelectrics</i> , <b>2009</b> , 106, 40-48	0.8	6
61	Shift in Morphotropic Phase Boundary in La-Doped $\text{BiFeO}_3\text{-PbTiO}_3$ Piezoceramics. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 120205	1.4	27
60	High temperature neutron diffraction studies of $0.9\text{BiFeO}_3\text{-}0.1\text{PbTiO}_3$ . <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 094108	2.5	23
59	Investigation of high Curie temperature $(1-x)\text{BiSc}_{1-x}\text{Fe}_x\text{O}_3\text{-}x\text{PbTiO}_3$ piezoelectric ceramics. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 084107	2.5	42
58	Introduction to the special issue on electroceramics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2009</b> , 56, 1784-1784	3.2	1
57	Investigation of dielectric and piezoelectric properties of niobium-modified PLSZFT nanoceramics for sensor and actuator applications. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 473, 330-335	5.7	16
56	Electron backscatter diffraction as a domain analysis technique in $\text{BiFeO}_3\text{-PbTiO}_3$ single crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2008</b> , 55, 957-62	3.2	13
55	Phase-specific magnetic ordering in $\text{BiFeO}_3\text{-PbTiO}_3$ . <i>Applied Physics Letters</i> , <b>2008</b> , 93, 232901	3.4	31

54	Introduction to the special issue on the applications of ferroelectrics--part II. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2008</b> , 55, 938-41	3.2	
53	Electron backscatter diffraction mapping of herringbone domain structures in tetragonal piezoelectrics. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 024111	2.5	25
52	Deposition of PbTiO <sub>3</sub> films on Pt/Si substrates using pulsed laser deposition. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 591-597	6	26
51	Ferroelectrics: The role of ceramic science and engineering. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 1307-1317	6	62
50	Growth and characterization of tetragonal bismuth ferrite-lead titanate thin films. <i>Acta Materialia</i> , <b>2008</b> , 56, 2110-2118	8.4	27
49	Leakage mechanisms in bismuth ferrite-lead titanate thin films on Pt/Si substrates. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 072908	3.4	69
48	Ferroelectric BiFeO <sub>3</sub> -PbTiO <sub>3</sub> thin films on Pt/Si substrates. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2007</b> , 54, 2583-6	3.2	16
47	Correlations between transition temperature, tolerance factor and cohesive energy in 2+4+ perovskites. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 176201	1.8	53
46	Study of intrinsic / extrinsic piezoelectric contributions in La-doped BiFeO <sub>3</sub> - PbTiO <sub>3</sub> ceramics using the Rayleigh method. <i>Applications of Ferroelectrics, IEEE International Symposium on</i> , <b>2007</b> ,		1
45	Dependence of breakdown field on dielectric (interelectrode) thickness in base-metal electroded multilayer capacitors. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 112910	3.4	31
44	Internal Stress and Phase Coexistence in Bismuth Ferrite-Lead Titanate Ceramics. <i>Applications of Ferroelectrics, IEEE International Symposium on</i> , <b>2007</b> ,		2
43	Synthesis of the Ferroelectric Solid Solution, Pb(Zr <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> on a Single Substrate Using a Modified Molecular Beam Epitaxy Technique. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1034, 134		
42	Large remanent polarization in ferroelectric BiFeO <sub>3</sub> -PbTiO <sub>3</sub> thin films on Pt/Si substrates. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 032901	3.4	61
41	Synthesis of the ferroelectric solid solution, Pb(Zr <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> on a single substrate using a modified molecular beam epitaxy technique. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 202907	3.4	18
40	Pulsed laser deposition and characterization of (BiFeO <sub>3</sub> ) <sub>0.7</sub> -(PbTiO <sub>3</sub> ) <sub>0.3</sub> thin films. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 26, 288-291	0.3	4
39	Factors influencing the piezoelectric behaviour of PZT and other morphotropic phase boundary ferroelectrics <b>2006</b> , 13-25		3
38	Development of New High Temperature Piezoelectric Materials. <i>Applications of Ferroelectrics, IEEE International Symposium on</i> , <b>2006</b> ,		1
37	Impedance Spectroscopy of Mn-Doped BiFeO <sub>3</sub> -PbTiO <sub>3</sub> Ceramics. <i>Applications of Ferroelectrics, IEEE International Symposium on</i> , <b>2006</b> ,		1

36	Low-loss passive alignment of single-mode fibers in low-temperature cofired ceramics using CO <sub>2</sub> laser fabricated U-grooves. <i>Applied Optics</i> , <b>2006</b> , 45, 9168-75	1.7	3
35	Imaging of domains in single crystals of BiFeO <sub>3</sub> -PbTiO <sub>3</sub> using various microscopy techniques. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 26, 239-242	0.3	7
34	The dependence of polar cluster characteristics on composition in (1-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xLa(Mg <sub>2/3</sub> Nb <sub>1/3</sub> )O <sub>3</sub> relaxor dielectrics. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 124104	2.5	1
33	Ferroelasticity and R-Curve Behavior in BiFeO <sub>3</sub> /PbTiO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1761-1763	3.8	30
32	Factors influencing the piezoelectric behaviour of PZT and other morphotropic phase boundary ferroelectrics. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 13-25	4.3	60
31	Piezoelectric properties of BiFeO <sub>3</sub> /PbTiO <sub>3</sub> ceramics. <i>European Physical Journal Special Topics</i> , <b>2005</b> , 128, 13-17		40
30	Intermodulation distortion in wide-band dual-mode bulk ferroelectric bandpass filters <b>2005</b> ,		2
29	Flux growth of BiFeO <sub>3</sub> /PbTiO <sub>3</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2005</b> , 285, 156-161	1.6	28
28	Heterogeneity of fatigue in bulk lead zirconate titanate. <i>Acta Materialia</i> , <b>2005</b> , 53, 2203-2213	8.4	48
27	Dielectric Measurements on High-Q Ceramics in the Microwave Region. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 80, 1095-1100	3.8	23
26	Processing of Nanoparticulate Bismuth Ferrite Lead Titanate (BFPT) Through High-Energy Milling. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2608-2610	3.8	10
25	High-temperature (1-x)BiSc <sub>1/2</sub> Fe <sub>1/2</sub> O <sub>3</sub> -xPbTiO <sub>3</sub> piezoelectric ceramics. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 242901	3.4	54
24	55 years of ferroelectrics. <i>Advances in Applied Ceramics</i> , <b>2004</b> , 103, 49-50		
23	Processing and electrical properties of BiFeO <sub>3</sub> /PbTiO <sub>3</sub> ceramics. <i>Materials Letters</i> , <b>2004</b> , 58, 3844-3846	3.3	101
22	A Two Order Parameter Thermodynamic Model for Pb(Zr <sub>1-x</sub> Ti <sub>x</sub> )O <sub>3</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, 7418-7423	1.4	8
21	A Two-Parameter Thermodynamic Model for PZT. <i>Ferroelectrics</i> , <b>2003</b> , 293, 19-31	0.6	11
20	Phenomenologically derived electric field-temperature phase diagrams and piezoelectric coefficients for single crystal barium titanate under fields along different axes. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 3907-3914	2.5	173
19	Towards a new type of electrochemical sensor system for process control. <i>Progress in Biotechnology</i> , <b>2000</b> , 345-352		

18	On the origin of the large piezoelectric effect in morphotropic phase boundary perovskite single crystals. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 109-111	3.4	25
17	Improved Compaction in Multilayer Capacitor Fabrication. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 1691-1695	6	16
16	Evidence for domain-type dynamics in the ergodic phase of the PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> relaxor ferroelectric. <i>Physical Review B</i> , <b>1996</b> , 53, 11281-11284	3.3	167
15	Processing and properties of thin film pyroelectric devices. <i>Microelectronic Engineering</i> , <b>1995</b> , 29, 93-96	2.5	24
14	A thin film pyroelectric detector. <i>Integrated Ferroelectrics</i> , <b>1995</b> , 6, 231-240	0.8	26
13	Relaxors as superparaelectrics with distributions of the local transition temperature. <i>Journal of Physics Condensed Matter</i> , <b>1995</b> , 7, 4145-4168	1.8	35
12	Lead loss, preferred orientation, and the dielectric properties of sol-gel prepared lead titanate thin films. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 2678-2680	3.4	37
11	Structure of Ba(Y <sub>31/2</sub> Ta <sub>51/2</sub> )O <sub>3</sub> and its dielectric properties in the range 10 <sup>2</sup> –10 <sup>14</sup> Hz, 20–300 K. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 5864-5873	2.5	52
10	Calculations of finite size effects in barium titanate. <i>Ferroelectrics, Letters Section</i> , <b>1993</b> , 15, 133-140	0.5	14
9	Calculations of dielectric properties from the superparaelectric model of relaxors. <i>Journal of Physics Condensed Matter</i> , <b>1993</b> , 5, 8773-8792	1.8	91
8	DiC7: An orientational glass model of electrostriction in relaxor dielectrics. <i>Ferroelectrics</i> , <b>1992</b> , 133, 115-120	0.6	3
7	TFC13. Rapid thermal processing of PZT thin films. <i>Ferroelectrics</i> , <b>1992</b> , 134, 285-290	0.6	5
6	Relationships between dopants, microstructure and the microwave dielectric properties of ZrO <sub>2</sub> -TiO <sub>2</sub> -SnO <sub>2</sub> ceramics. <i>Journal of Materials Science</i> , <b>1992</b> , 27, 6303-6310	4.3	204
5	The effect of grain size on the permittivity of BaTiO <sub>3</sub> . <i>Ferroelectrics</i> , <b>1984</b> , 54, 147-150	0.6	117
4	A phenomenological gibbs function for BaTiO <sub>3</sub> giving correct e field dependence of all ferroelectric phase changes. <i>Ferroelectrics</i> , <b>1984</b> , 59, 197-203	0.6	100
3	Pyroelectric ceramics in the lead zirconate-lead titanate-lead iron niobate system. <i>Ferroelectrics</i> , <b>1981</b> , 35, 155-160	0.6	57
2	Electrical conductivity in uranium doped, modified lead zirconate pyroelectric ceramics. <i>Ferroelectrics</i> , <b>1981</b> , 37, 543-546	0.6	17
1	Co-Precipitation Synthesis of Nano-Sized Yttrium Aluminium Garnet (YAG) Powders. <i>Ceramic Transactions</i> , 71-78	0.1	



