JÃ¼rgen RÃ¶del

List of Publications by Year
in descending order

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367	26,582	7561 77	7944 149
papers	citations	h-index	g-index

371	371	371	8706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of matrix phase and electric field gradient in Na1/2Bi1/2TiO3BaTiO3:ZnO composites. Journal of Materiomics, 2022, 8, 498-510.	2.8	2
2	Roomâ€temperature dislocation plasticity in SrTiO₃ tuned by defect chemistry. Journal of the American Ceramic Society, 2022, 105, 1318-1329.	1.9	14
3	Influence of Zn²⁺ doping on the morphotropic phase boundary in leadâ€free piezoelectric (1) Tj ETQq1 1 0.784314 rgBT /O the American Ceramic Society, 2022, 105, 1232-1240.	1.9	7
4	Ultrahigh energy harvesting performance in lead-free piezocomposites with intragranular structure. Acta Materialia, 2022, 222, 117450.	3.8	21
5	Deformation and bending strength of highâ€performance leadâ€free piezoceramics. Journal of the American Ceramic Society, 2022, 105, 3128-3132.	1.9	4
6	High-temperature plastic deformation of $$langle 110angle$$-oriented BaTiO3 single crystals. Journal of Materials Research, 2022, 37, 737-746.	1.2	6
7	Origin of high-power drive stability in (Na1/2Bi1/2)TiO3-BaTiO3 based piezoceramics. Acta Materialia, 2022, 227, 117703.	3.8	14
8	Blacklight sintering of ceramics. Materials Horizons, 2022, 9, 1717-1726.	6.4	15
9	Mechanical tailoring of dislocation densities in SrTiO₃ at room temperature. Journal of the American Ceramic Society, 2022, 105, 2399-2402.	1.9	18
10	Evaluation of dielectric breakdown of BaTiO3 by novel indentation method. Journal of the European Ceramic Society, 2022, , .	2.8	1
11	Characterization of crystal structure, electrical and electromechanical properties of Mg-doped 0.94Na1/2Bi1/2TiO3-0.06BaTiO3. Journal of the European Ceramic Society, 2022, 42, 5591-5597.	2.8	5
12	Enhanced Photoconductivity at Dislocations in SrTiO₃. Advanced Materials, 2022, 34, .	11.1	11
13	Deciphering the phase transition-induced ultrahigh piezoresponse in (K,Na)NbO3-based piezoceramics. Nature Communications, 2022, 13, .	5.8	39
14	Conceptual Framework for Dislocation-Modified Conductivity in Oxide Ceramics Deconvoluting Mesoscopic Structure, Core, and Space Charge Exemplified for SrTiO₃. ACS Nano, 2021, 15, 9355-9367.	7.3	41
15	Thermal depolarization and electromechanical hardening in Zn²⁺â€doped Na_{1/2}Bi_{1/2}TiO₃â€BaTiO₃. Journal of the American Ceramic Society, 2021, 104, 2201-2212.	1.9	24
16	Dislocation-toughened ceramics. Materials Horizons, 2021, 8, 1528-1537.	6.4	56
17	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.	4.0	11
18	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.	3.2	4

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19	Quenchingâ€circumvented ergodicity in relaxor Na_{1/2}Bi_{1/2}TiO₃â€BaTiO₃â€K_{0.5}Na_{0.5}NbO₃. Journal of the American Ceramic Society, 2021, 104, 3316-3324.		
20	Correlation between enhanced lattice distortion and volume fraction of polar nanoregions in quenched Na1/2Bi1/2TiO3â€“BaTiO3 ceramics. Applied Physics Letters, 2021, 118, .	1.5	20
21	Lead-free ferroelectric materials: Prospective applications. Journal of Materials Research, 2021, 36, 985-995.	1.2	58
22	Revealing the mechanism of electric-field-induced phase transition in antiferroelectric NaNbO3 by in situ high-energy x-ray diffraction. Applied Physics Letters, 2021, 118, .	1.5	25
23	Control of polarization in bulk ferroelectrics by mechanical dislocation imprint. Science, 2021, 372, 961-964.	6.0	84
24	Large plastic deformability of bulk ferroelectric KNbO3 single crystals. Journal of the European Ceramic Society, 2021, 41, 4098-4107.	2.8	17
25	Precipitation Hardening in Ferroelectric Ceramics. Advanced Materials, 2021, 33, e2102421.	11.1	46
26	Thermal stability of the electromechanical properties in acceptor-doped and composite-hardened (Na1/2Bi1/2)TiO3â€“BaTiO3 ferroelectrics. Journal of Applied Physics, 2021, 130, .	1.1	13
27	Quantitative mapping of nanotwin variants in the bulk. Scripta Materialia, 2021, 199, 113878.	2.6	10
28	Donor and acceptor-like self-doping by mechanically induced dislocations in bulk TiO2. Nano Energy, 2021, 85, 105944.	8.2	31
29	NaNbO3-based antiferroelectric multilayer ceramic capacitors for energy storage applications. Journal of the European Ceramic Society, 2021, 41, 5519-5525.	2.8	24
30	High temperature creepâ€mediated functionality in polycrystalline barium titanate. Journal of the American Ceramic Society, 2020, 103, 1891-1902.	1.9	26
31	Segregation and properties at curved vs straight (000) inversion boundaries in piezotronic ZnO bicrystals. Journal of the American Ceramic Society, 2020, 103, 2817-2827.	1.9	3
32	Influence of dislocations on thermal conductivity of strontium titanate. Applied Physics Letters, 2020, 117, .	1.5	32
33	Large electromechanical strain and unconventional domain switching near phase convergence in a Pb-free ferroelectric. Communications Physics, 2020, 3, .	2.0	14
34	Nanoscale to microscale reversal in room-temperature plasticity in SrTiO3 by tuning defect concentration. Scripta Materialia, 2020, 188, 228-232.	2.6	26
35	Crystallographic design for energy storage. Nature Materials, 2020, 19, 932-934.	13.3	3
36	Spontaneous ferroelectric order in lead-free relaxor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:mi	1.1	14

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37	Role of thermal gradients on the depolarization and conductivity in quenched Na1/2Bi1/2TiO3-BaTiO3. Applied Physics Letters, 2020, 116, .	1.5	24
38	Mechanically tuned conductivity at individual grain boundaries in polycrystalline ZnO varistor ceramics. Journal of Applied Physics, 2020, 127, .	1.1	8
39	Mechanical versus electromechanical hardening in relaxor ferroelectric Na1/2Bi1/2TiO3-BaTiO3 with ZnO inclusions. Scripta Materialia, 2019, 169, 92-95.	2.6	10
40	Temperature dependent fracture toughness of KNN-based lead-free piezoelectric ceramics. Acta Materialia, 2019, 174, 369-378.	3.8	23
41	(Na_{1/2}Bi_{1/2})TiO₃â€based leadâ€free coâ€fired multilayer actuators with large strain and high fatigue resistance. Journal of the American Ceramic Society, 2019, 102, 6147-6155.	1.9	30
42	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.	3.2	15
43	Influence of metal/semiconductor interface on attainable piezoelectric and energy harvesting properties of ZnO. Acta Materialia, 2019, 162, 277-283.	3.8	23
44	An ideal amplitude window against electric fatigue in BaTiO3-based lead-free piezoelectric materials. Acta Materialia, 2018, 151, 253-259.	3.8	31
45	High-performance piezoelectric (K,Na,Li)(Nb,Ta,Sb)O3 single crystals by oxygen annealing. Acta Materialia, 2018, 148, 499-507.	3.8	42
46	Requirements for the transfer of lead-free piezoceramics into application. Journal of Materiomics, 2018, 4, 13-26.	2.8	187
47	Piezotronic Tuning of Potential Barriers in ZnO Bicrystals. Advanced Materials, 2018, 30, 1705573.	11.1	25
48	Interplay of conventional with inverse electrocaloric response in (Pb,Nb)(Zr,Sn,Ti)O3 antiferroelectric materials. Physical Review B, 2018, 97, .	1.1	42
49	Electric fieldâ€“temperature phase diagram of sodium bismuth titanate-based relaxor ferroelectrics. Journal of Materials Science, 2018, 53, 9393-9400.	1.7	23
50	Long term stability of electrocaloric response in barium zirconate titanate. Journal of the European Ceramic Society, 2018, 38, 551-556.	2.8	40
51	Thermomechanical Energy Conversion Potential of Leadâ€Free 0.50Ba(Zr_{0.2}Ti_{0.8}) Tj ETQq1 1 0.784314 rgBT Technology, 2018, 6, 872-882.	1.8	12
52	Propensity for spontaneous relaxor-ferroelectric transition in quenched (Na1/2Bi1/2)TiO3-BaTiO3 compositions. Applied Physics Letters, 2018, 113, .	1.5	42
53	Piezotronic sensors. MRS Bulletin, 2018, 43, 941-945.	1.7	32
54	ZnOâ€based single crystalâ€polycrystal structures for piezotronic applications. Journal of the American Ceramic Society, 2018, 102, 2640.	1.9	10

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55	Na1/2Bi1/2VO3 and K1/2Bi1/2VO3: New Lead-Free Tetragonal Perovskites with Moderate c/a Ratios. Chemistry of Materials, 2018, 30, 6728-6736.	3.2	8
56	Crackâ€tip toughness of leadâ€free (1â^' x)(Na 1/2 Bi 1/2)TiO 3 â€“ x BaTiO 3 piezoceramics. Journal of the American Ceramic Society, 2018, 101, 5304-5308.	1.9	11
57	Lead-free piezoceramics: Status and perspectives. MRS Bulletin, 2018, 43, 576-580.	1.7	177
58	Hardening behavior and highly enhanced mechanical quality factor in (K 0.5 Na 0.5)NbO 3 â€“based ceramics. Journal of the European Ceramic Society, 2017, 37, 2083-2089.	2.8	42
59	Temperature-dependent volume fraction of polar nanoregions in lead-free <mml:math		

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73	Highâ€Temperature Multilayer Ceramic Capacitors Based on 100â^'x(94Bi_{1/2}Na_{1/2}TiO₃â€“6BaTiO₃)â€“xK_{0.5}Na_{0.5}NbO₃. Journal of the American Ceramic Society, 2016, 99, 2040-2046.	1.9	22
74	Role of (Bi1/2K1/2)TiO3 in the dielectric relaxations of BiFeO3-(Bi1/2K1/2)TiO3 ceramics. Journal of Applied Physics, 2016, 119, .	1.1	26
75	Orientation-dependent electromechanical properties of Mn-doped (Li,Na,K)(Nb,Ta)O3 single crystals. Applied Physics Letters, 2016, 109, 152902.	1.5	41
76	Criticality: Concept to Enhance the Piezoelectric and Electrocaloric Properties of Ferroelectrics. Advanced Functional Materials, 2016, 26, 7326-7333.	7.8	89
77	Piezoelectricity and rotostriction through polar and non-polar coupled instabilities in bismuth-based piezoceramics. Scientific Reports, 2016, 6, 28742.	1.6	23
78	Reconciling Local Structure Disorder and the Relaxor State in (Bi1/2Na1/2)TiO3-BaTiO3. Scientific Reports, 2016, 6, 31739.	1.6	73
79	Influence of Ta⁵⁺ content on the crystallographic structure and electrical properties of [001]_{PC}-oriented (Li,Na,K)(Nb,Ta)O₃ single crystals. CrystEngComm, 2016, 18, 2081-2088.	1.3	18
80	Nanoscale mapping of heterogeneity of the polarization reversal in lead-free relaxorâ€“ferroelectric ceramic composites. Nanoscale, 2016, 8, 2168-2176.	2.8	33
81	Varistor piezotronics: Mechanically tuned conductivity in varistors. Journal of Applied Physics, 2015, 118, .	1.1	22
82	Mechanisms of electromechanical response in (1â€‰â^'â€‰x)Ba(Zr0.2Ti0.8)O3-x(Ba0.7Ca0.3)TiO3 ceramics. Applied Physics Letters, 2015, 107, .	1.5	34
83	Orientationâ€Dependence of Thermal Depolarization and Phase Development in Bi_{1/2}Na_{1/2}TiO₃â€BaTiO₃ Single Crystals. Journal of the American Ceramic Society, 2015, 98, 3966-3974.	1.9	22
84	Coreâ€“Shell Leadâ€“Free Piezoelectric Ceramics: Current Status and Advanced Characterization of the Bi_{1/2}Na_{1/2}TiO₃â€“SrTiO₃ System. Journal of the American Ceramic Society, 2015, 98, 3405-3422.	1.9	116
85	Stress-dependent electromechanical properties of doped (Ba1â^'xCax)(ZryTi1â^'y)O3. Journal of the European Ceramic Society, 2015, 35, 1209-1217.	2.8	37
86	Transferring lead-free piezoelectric ceramics into application. Journal of the European Ceramic Society, 2015, 35, 1659-1681.	2.8	1,050
87	Thermal Depolarization in the Highâ€Temperature Ternary Piezoelectric System xPbTiO₃â€“yBiScO₃â€“zBi(Ni_{1/2}Ti_{1/2})O₃. Journal of the American Ceramic Society, 2015, 98, 455-463.	1.9	26
88	Cyclic electric field response of morphotropic Bi1/2Na1/2TiO3-BaTiO3 piezoceramics. Applied Physics Letters, 2015, 106, .	1.5	53
89	Preparation and enhanced electrical properties of grain-oriented (Bi1/2Na1/2)TiO3-based lead-free incipient piezoceramics. Journal of the European Ceramic Society, 2015, 35, 2501-2512.	2.8	219
90	Large Strain in Relaxor/Ferroelectric Composite Leadâ€Free Piezoceramics. Advanced Electronic Materials, 2015, 1, 1500018.	2.6	120

#	Article	IF	Citations
91	Origin of the large piezoelectric activity in<mml:math		

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109	Simultaneous Enhancement of Fracture Toughness and Unipolar Strain in <scp><scp>Pb</scp></scp>(<scp><scp>Zr</scp></scp>,<scp><scp>Ti</scp></scp>)<scp><scp>O</scp></scp>₃â€<sc> Composites Through Composition Adjustment. Journal of the American Ceramic Society, 2014, 97, 1582-1588.	1.9	13
110	Relaxor/Ferroelectric Composites: A Solution in the Quest for Practically Viable Leadâ€Free Incipient Piezoceramics. Advanced Functional Materials, 2014, 24, 356-362.	7.8	148
111	Cycling stability of lead-free BNTâ€“8BT and BNTâ€“6BTâ€“3KNN multilayer actuators and bulk ceramics. Journal of the European Ceramic Society, 2014, 34, 653-661.	2.8	52
112	Ergodicity reflected in macroscopic and microscopic field-dependent behavior of BNT-based relaxors. Journal of Applied Physics, 2014, 115, .	1.1	71
113	Bi1/2Na1/2TiO3â€“BaTiO3 based thick-film capacitors for high-temperature applications. Journal of the European Ceramic Society, 2014, 34, 37-43.	2.8	82
114	Frequency and temperature dependence of actuating performance of Bi1/2Na1/2TiO3-BaTiO3 based relaxor/ferroelectric composites. Journal of Applied Physics, 2014, 115, .	1.1	21
115	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. Journal of Applied Physics, 2014, 115, .	1.1	25
116	Effect of Texture on Temperatureâ€Dependent Properties of <scp><scp>K</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>NbO</scp></scp>₃ Modified <scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2}<scp><scp>TiO</scp></scp>₃â€“ Journal of the American Ceramic Society, 2014, 97, 2557-2563.	1.9	43
117	Stress, temperature and electric field effects in the lead-free (Ba,Ca)(Ti,Zr)O 3 piezoelectric system. Acta Materialia, 2014, 78, 37-45.	3.8	53
118	Anisotropy of ferroelectric behavior of (1 â^' x)Bi1/2Na1/2TiO3â€“xBaTiO3 single crystals across the morphotropic phase boundary. Journal of Applied Physics, 2014, 116, .	1.1	40
119	Temperatureâ€and Frequencyâ€Dependent Properties of the 0.75Bi_{1/2}Na_{1/2}TiO₃â€“0.25SrTiO₃ Leadâ€Free Incipient Piezoceramic. Journal of the American Ceramic Society, 2014, 97, 1937-1943.	1.9	144
120	Tailoring Strain Properties of (0.94â^'x)<scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2}<scp><scp>TiO</scp></scp>₃<sc Ferroelectric/Relaxor Composites. Journal of the American Ceramic Society, 2014, 97, 1465-1470.	1.9	49
121	Impedance Spectroscopy of (<scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2})<scp><scp>TiO</scp></scp>₃â€“ Based Highâ€Temperature Dielectrics. Journal of the American Ceramic Society, 2014, 97, 2825-2831.	1.9	73
122	R-curves in transformation toughened lead zirconate titanate. Engineering Fracture Mechanics, 2013, 100, 86-91.	2.0	6
123	Fatigue-free unipolar strain behavior in CaZrO3 and MnO2 co-modified (K,Na)NbO3-based lead-free piezoceramics. Applied Physics Letters, 2013, 103, .	1.5	60
124	Polarization dynamics across the morphotropic phase boundary in Ba(Zr0.2Ti0.8)O3-x(Ba0.7Ca0.3)TiO3 ferroelectrics. Applied Physics Letters, 2013, 103, .	1.5	37
125	Electric-field-induced polarization and strain in 0.94(Bi1/2Na1/2)TiO3â€“0.06BaTiO3 under uniaxial stress. Acta Materialia, 2013, 61, 1350-1358.	3.8	61
126	Temperature-dependent R-curve behavior of Pb(Zr1â^'xTix)O3. Acta Materialia, 2013, 61, 6418-6427.	3.8	33

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127	Temperatureâ€Insensitive (K,Na)NbO₃â€Based Leadâ€Free Piezoactuator Ceramics. Advanced Functional Materials, 2013, 23, 4079-4086.	7.8	494
128	Structure and mechanical properties of silica doped zirconia thin films. Thin Solid Films, 2013, 527, 200-204.	0.8	7
129	Two-stage processes of electrically induced-ferroelectric to relaxor transition in 0.94(Bi1/2Na1/2)TiO3-0.06BaTiO3. Applied Physics Letters, 2013, 102, .	1.5	182
130	Optimal working regime of leadâ€“zirconateâ€“titanate for actuation applications. Sensors and Actuators A: Physical, 2013, 189, 187-194.	2.0	36
131	Local structure, pseudosymmetry, and phase transitions in Na <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" disp. Physical Review B, 2013, 87, .	1.1	97
132	Quenching-induced circumvention of integrated aging effect of relaxor lead lanthanum zirconate titanate and (Bi1/2Na1/2)TiO3-BaTiO3. Applied Physics Letters, 2013, 102, .	1.5	26
133	Bi(Me)O₃â€“PbTiO₃highT_Cpiezoelectric multilayers. Materials Technology, 2013, 28, 247-253.	1.5	10
134	Domain fragmentation during cyclic fatigue in 94%(Bi1/2Na1/2)TiO3-6%BaTiO3. Journal of Applied Physics, 2012, 112, .	1.1	37
135	Influence of electric fields on the depolarization temperature of Mn-doped (1-x)Bi1/2Na1/2TiO3-xBaTiO3. Journal of Applied Physics, 2012, 111, .	1.1	129
136	Structure and temperature-dependent phase transitions of lead-free Bi1/2Na1/2TiO3â€“Bi1/2K1/2TiO3â€“K0.5Na0.5NbO3 piezoceramics. Journal of Materials Research, 2012, 27, 2466-2478.	1.2	20
137	Coexistence of ergodicity and nonergodicity in LaFeO₃-modified Bi_{1/2}(Na_{0.78}K_{0.22})_{1/2}TiO₃relaxors. Journal of Physics Condensed Matter, 2012, 24, 365901.	0.7	74
138	Temperatureâ€Dependent Properties of (<scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2})<scp><scp>TiO</scp></scp>₃â€ Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2012, 95, 2241-2247.	1.9	338
139	Deconvolving Ferroelastic and Phase Transformation Toughening in <scp><scp>Pb</scp></scp>(<scp><scp>Zr</scp></scp>_{1â^'x}<scp><scp>Ti</scp></scp>_x)<scp> and <scp><scp>Pb</scp></scp>_{1â^'y}<scp><scp>La</scp></scp>_y(<scp><scp>Zr</scp></scp><sub Journal of the American Ceramic Society, 2012, 95, 3713-3715.	1.9	6
140	High-temperature dielectrics in CaZrO3-modified Bi1/2Na1/2TiO3-based lead-free ceramics. Journal of the European Ceramic Society, 2012, 32, 4327-4334.	2.8	153
141	Frequency-dependence of large-signal properties in lead-free piezoceramics. Journal of Applied Physics, 2012, 112, .	1.1	35
142	Nanoscale Insight Into Leadâ€Free BNTâ€BTâ€xKNN. Advanced Functional Materials, 2012, 22, 4208-4215.	7.8	225
143	Piezoelectric activity of (1-x)[0.35Bi(Mg1/2Ti1/2)O3-0.3BiFeO3-0.35BiScO3] - xPbTiO3 ceramics as a function of temperature. Journal of Electroceramics, 2012, 28, 95-100.	0.8	18
144	Giant electric-field-induced strains in lead-free ceramics for actuator applications â€“ status and perspective. Journal of Electroceramics, 2012, 29, 71-93.	0.8	813

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145	Structure and the Electrical Properties of <scp><scp>Pb(Zr,Ti)O₃</scp></scp> â€“ Zirconia Composites. Journal of the American Ceramic Society, 2012, 95, 651-657.	1.9	29
146	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 ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td[(<scp><sc Ceramic Society, 2012, 95, 711-715.	1.9	84
147	A Highâ€Temperatureâ€Capacitor Dielectric Based on <scp><scp>K</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5}<scp><scp>NbO</scp></scp>₃â€ <scp><scp>Bi</scp></scp>_{1/2}<scp><scp>Na</scp></scp>_{1/2}<scp><scp>TiO</scp></scp>₃â€ Journal of the American Ceramic Society, 2012, 95, 3519-3524.	1.9	121
148	Large blocking force in Bi1/2Na1/2TiO3-based lead-free piezoceramics. Scripta Materialia, 2012, 67, 100-103.	2.6	29
149	Domain switching energies: Mechanical versus electrical loading in La-doped bismuth ferriteâ€“lead titanate. Journal of Applied Physics, 2011, 109, .	1.1	32
150	Evolving morphotropic phase boundary in lead-free (Bi1/2Na1/2)TiO3â€“BaTiO3 piezoceramics. Journal of Applied Physics, 2011, 109, .	1.1	405
151	Determination of depolarization temperature of (Bi1/2Na1/2)TiO3-based lead-free piezoceramics. Journal of Applied Physics, 2011, 110, .	1.1	268
152	On the phase identity and its thermal evolution of lead free (Bi1/2Na1/2)TiO3-6â€‰mol% BaTiO3. Journal of Applied Physics, 2011, 110, .	1.1	749
153	Structural origins of relaxor behavior in a 0.96(Bi1/2Na1/2)TiO3â€“0.04BaTiO3 single crystal under electric field. Applied Physics Letters, 2011, 98, .	1.5	60
154	Electric-field-induced volume change and room temperature phase stability of (Bi1/2Na1/2)TiO3-x mol. % BaTiO3 piezoceramics. Applied Physics Letters, 2011, 99, .	1.5	130
155	Effect of K_{0.5}Na_{0.5}NbO₃on Properties at and off the Morphotropic Phase Boundary in Bi_{0.5}Na_{0.5}TiO₃â€“Bi_{0.5}K_{0.5}TiO₃Ceramics. Japanese Journal of Applied Physics, 2011, 50, 055802.	0.8	26
156	Bipolar and Unipolar Fatigue of Ferroelectric BNTâ€Based Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2011, 94, 529-535.	1.9	83
157	Stabilization of the Fatigue-Resistant Phase by CuO Addition in (Bi1/2Na1/2)TiO3-BaTiO3. Journal of the American Ceramic Society, 2011, 94, 2473-2478.	1.9	53
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