Clive A Randall

List of Publications by Year
in descending order

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468 papers	26,045 citations	5876 81 h-index	11030 137 g-index
482 all docs	482 docs citations	482 times ranked	10743 citing authors

#	Article	IF	Citations
1	Intrinsic and Extrinsic Size Effects in Fineâ€Grained Morphotropicâ€Phaseâ€Boundary Lead Zirconate Titanate Ceramics. Journal of the American Ceramic Society, 1998, 81, 677-688.	1.9	902
2	New High Temperature Morphotropic Phase Boundary Piezoelectrics Based on Bi(Me)O3â€“PbTiO3Ceramics. Japanese Journal of Applied Physics, 2001, 40, 5999-6002.	0.8	809
3	Preparation and Characterization of High Temperature Perovskite Ferroelectrics in the Solid-Solution (1-x)BiScO3â€“xPbTiO3. Japanese Journal of Applied Physics, 2002, 41, 2099-2104.	0.8	495
4	Highâ€Energy Density Capacitors Utilizing 0.7 BaTiO₃â€“0.3 BiScO₃ Ceramics. Journal of the American Ceramic Society, 2009, 92, 1719-1724.	1.9	462
5	Grain size and domain size relations in bulk ceramic ferroelectric materials. Journal of Physics and Chemistry of Solids, 1996, 57, 1499-1505.	1.9	432
6	Giant Electrocaloric Response Over A Broad Temperature Range in Modified BaTiO₃ Ceramics. Advanced Functional Materials, 2014, 24, 1300-1305.	7.8	377
7	Crystal and Defect Chemistry of Rare Earth Cations in BaTiO3. , 2001, 7, 25-34.		376
8	A brief introduction to ceramic capacitors. IEEE Electrical Insulation Magazine, 2010, 26, 44-50.	1.1	370
9	Nanostructural-Property Relations in Complex Lead Perovskites. Japanese Journal of Applied Physics, 1990, 29, 327-333.	0.8	345
10	Classification and consequences of complex lead perovskite ferroelectrics with regard to B-site cation order. Journal of Materials Research, 1990, 5, 829-834.	1.2	337
11	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. Angewandte Chemie - International Edition, 2016, 55, 11457-11461.	7.2	335
12	Weakly Coupled Relaxor Behavior of BaTiO₃â€“BiScO₃ Ceramics. Journal of the American Ceramic Society, 2009, 92, 110-118.	1.9	326
13	Cold Sintering Process: A Novel Technique for Lowâ€Temperature Ceramic Processing of Ferroelectrics. Journal of the American Ceramic Society, 2016, 99, 3489-3507.	1.9	284
14	Investigation of the dielectric properties of bismuth pyrochlores. Solid State Communications, 1996, 100, 529-534.	0.9	268
15	Crystal and domain structure of the BiFeO3â€“PbTiO3 solid solution. Journal of Applied Physics, 2003, 94, 3313-3318.	1.1	253
16	Lead-free antiferroelectric: xCaZrO₃-(1 â^' x)NaNbO₃ system (0 â‰¤ x â‰¤ 0.10). Dalton Transactions, 2015, 44, 10763-10772.	1.6	236
17	Bismuth zinc niobate pyrochlore dielectric thin films for capacitive applications. Journal of Applied Physics, 2001, 89, 767-774.	1.1	233
18	High Strain Piezoelectric Multilayer Actuators?A Material Science and Engineering Challenge. Journal of Electroceramics, 2005, 14, 177-191.	0.8	231

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19	Cold Sintering Process of Composites: Bridging the Processing Temperature Gap of Ceramic and Polymer Materials. Advanced Functional Materials, 2016, 26, 7115-7121.	7.8	218
20	Structural Study of an Unusual Cubic Pyrochlore Bi1.5Zn0.92Nb1.5O6.92. Journal of Solid State Chemistry, 2002, 168, 69-75.	1.4	211
21	Intrinsic Size Effects in a Barium Titanate Glassâ€Ceramic. Journal of the American Ceramic Society, 1998, 81, 979-987.	1.9	208
22	Microwave Dielectric Properties of Li₂WO₄ Ceramic with Ultraâ€Low Sintering Temperature. Journal of the American Ceramic Society, 2011, 94, 348-350.	1.9	206
23	Demonstration of the cold sintering process study for the densification and grain growth of ZnO ceramics. Journal of the American Ceramic Society, 2017, 100, 546-553.	1.9	197
24	Cold sintering: Current status and prospects. Journal of Materials Research, 2017, 32, 3205-3218.	1.2	195
25	Anomalous broad dielectric relaxation inBi1.5Zn1.0Nb1.5O7pyrochlore. Physical Review B, 2002, 66, .	1.1	193
26	Microwave Dielectric Ceramics in Li₂Oâ€“Bi₂O₃â€“MoO₃ System with Ultraâ€Low Sintering Temperatures. Journal of the American Ceramic Society, 2010, 93, 1096-1100.	1.9	192
27	Investigation of a high Tc piezoelectric system: (1â^'x)Bi(Mg1/2Ti1/2)O3â€“(x)PbTiO3. Journal of Applied Physics, 2004, 95, 3633-3639.	1.1	190
28	High field properties and energy storage in nanocomposite dielectrics of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (f	1.1	190
29	High Curie temperature piezocrystals in the BiScO3-PbTiO3 perovskite system. Applied Physics Letters, 2003, 83, 3150-3152.	1.5	189
30	Oxygen nonstoichiometry and dielectric evolution of BaTiO3. Part IIâ€”insulation resistance degradation under applied dc bias. Journal of Applied Physics, 2004, 96, 7500-7508.	1.1	189
31	Phase Diagram of the Perovskite System (1â^'x)BiScO3-xPbTiO3. Journal of Applied Physics, 2004, 96, 2828-2831.	1.1	183
32	Oxygen nonstoichiometry and dielectric evolution of BaTiO3. Part Iâ€”improvement of insulation resistance with reoxidation. Journal of Applied Physics, 2004, 96, 7492-7499.	1.1	183
33	Site Occupancy of Rare-Earth Cations in BaTiO3. Japanese Journal of Applied Physics, 2001, 40, 255-258.	0.8	179
34	Nonlinear contributions to the dielectric permittivity and converse piezoelectric coefficient in piezoelectric ceramics. Journal of Applied Physics, 2006, 99, 124110.	1.1	174
35	Manganese-modified BiScO3â€“PbTiO3 piezoelectric ceramic for high-temperature shear mode sensor. Applied Physics Letters, 2005, 86, 262904.	1.5	170
36	Hydrothermal-Assisted Cold Sintering Process: A New Guidance for Low-Temperature Ceramic Sintering. ACS Applied Materials & Interfaces, 2016, 8, 20909-20915.	4.0	170

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37	Elastic, piezoelectric, and dielectric characterization of modified BiScO/sub 3/-PbTiO/sub 3/ ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2131-2139.	1.7	167
38	Cold Sintering: Progress, Challenges, and Future Opportunities. Annual Review of Materials Research, 2019, 49, 275-295.	4.3	166
39	Dielectric relaxation in Bi2O3â€“ZnOâ€“Nb2O5 cubic pyrochlore. Journal of Applied Physics, 2001, 89, 4512-4516.	1.1	162
40	Protocol for Ultralow-Temperature Ceramic Sintering: An Integration of Nanotechnology and the Cold Sintering Process. ACS Nano, 2016, 10, 10606-10614.	7.3	157
41	Size and scaling effects in barium titanate. An overview. Journal of the European Ceramic Society, 2020, 40, 3744-3758.	2.8	154
42	A Crystal-Chemical Framework for Relaxor versus Normal Ferroelectric Behavior in Tetragonal Tungsten Bronzes. Chemistry of Materials, 2015, 27, 3250-3261.	3.2	153
43	Fabrication of Dense Zirconia Electrolyte Films for Tubular Solid Oxide Fuel Cells by Electrophoretic Deposition. Journal of the American Ceramic Society, 2001, 84, 33-40.	1.9	150
44	Cold Sintered Ceramic Nanocomposites of 2D MXene and Zinc Oxide. Advanced Materials, 2018, 30, e1801846.	11.1	149
45	Preparation and Size Effect in Pure Nanocrystalline Barium Titanate Ceramics. Ferroelectrics, 2003, 288, 93-102.	0.3	147
46	Influence of Ce Substitution for Bi in BiVO₄ and the Impact on the Phase Evolution and Microwave Dielectric Properties. Inorganic Chemistry, 2014, 53, 1048-1055.	1.9	145
47	Cold sintering process: A new era for ceramic packaging and microwave device development. Journal of the American Ceramic Society, 2017, 100, 669-677.	1.9	141
48	A Novel Approach to Sintering Nanocrystalline Barium Titanate Ceramics. Journal of the American Ceramic Society, 2005, 88, 3008-3012.	1.9	138
49	Structure and property investigation of a Bi-based perovskite solid solution: (1â^'x)Bi(Ni1â^•2Ti1â^•2)O3â€“xPbTiO3. Journal of Applied Physics, 2005, 98, 034108.	1.1	137
50	A TEM study of ordering in the perovskite, Pb(Sc1/2Ta1/2)O3. Journal of Materials Science, 1986, 21, 4456-4462.	1.7	135
51	Bi₂O₃â€“MoO₃ Binary System: An Alternative Ultralow Sintering Temperature Microwave Dielectric. Journal of the American Ceramic Society, 2009, 92, 2242-2246.	1.9	131
52	Medium permittivity bismuth zinc niobate thin film capacitors. Journal of Applied Physics, 2003, 94, 1941-1947.	1.1	123
53	TEM studies of Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃ferroelectric relaxors. Ferroelectrics, 1989, 93, 379-386.	0.3	119
54	Ferroelectric domain configurations in a modified-PZT ceramic. Journal of Materials Science, 1987, 22, 925-931.	1.7	118

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55	Structure property relationships in core-shell BaTiO₃â€“LiF ceramics. Journal of Materials Research, 1993, 8, 871-879.	1.2	116
56	Classification of transition temperature behavior in ferroelectric PbTiO3â€“Bi(Meâ€²Meâ€³)O3 solid solutions. Journal of Applied Physics, 2006, 99, 024106.	1.1	112
57	Thermally Stimulated Relaxation in Feâ€Doped SrTiO₃ Systems:I. Single Crystals. Journal of the American Ceramic Society, 2008, 91, 3245-3250.	1.9	111
58	High Energy Density, High Temperature Capacitors Utilizing <scp><scp>Mn</scp></scp>â€Doped <scp><scp>0.8CaTiO₃â€“0.2CaHfO₃</scp></scp> Ceramics. Journal of the American Ceramic Society, 2012, 95, 1348-1355.	1.9	111
59	Recent Progress in Applications of the Cold Sintering Process for Ceramicâ€“Polymer Composites. Advanced Functional Materials, 2018, 28, 1801724.	7.8	110
60	Electron Paramagnetic Resonance Investigations of Lanthanide-Doped Barium Titanate:â€‰ Dopant Site Occupancy. Journal of Physical Chemistry B, 2004, 108, 908-917.	1.2	109
61	Thermally Stimulated Relaxation in Feâ€Doped SrTiO₃ Systems: II. Degradation of SrTiO₃ Dielectrics. Journal of the American Ceramic Society, 2008, 91, 3251-3257.	1.9	109
62	Vacancy ordering in reduced barium titanate. Applied Physics Letters, 2004, 84, 4650-4652.	1.5	108
63	Modified Phase Diagram for the Barium Oxide?Titanium Dioxide System for the Ferroelectric Barium Titanate. Journal of the American Ceramic Society, 2007, 90, 2589-2594.	1.9	108
64	Cold sintering process of Li_{1.5}Al_{0.5}Ge_{1.5}(PO₄)₃ solid electrolyte. Journal of the American Ceramic Society, 2017, 100, 2123-2135.	1.9	104
65	Extrinsic contributions to the grain size dependence of relaxor ferroelectric Pb(Mg_{1/3}Nb_{2/3})O₃: PbTiO₃ ceramics. Journal of Materials Research, 1993, 8, 880-884.	1.2	98
66	Ferroelectric-thermoelectricity and Mott transition of ferroelectric oxides with high electronic conductivity. Journal of the European Ceramic Society, 2012, 32, 3971-3988.	2.8	95
67	Epoxy-based nanocomposites for electrical energy storage. I: Effects of montmorillonite and barium titanate nanofillers. Journal of Applied Physics, 2010, 108, .	1.1	94
68	Incommensurate structures in highly ordered complex perovskites Pb(Co1/2W1/2)O3and Pb(Sc1/2Ta1/2)O3. Physical Review B, 1989, 40, 413-416.	1.1	93
69	Highâ€Energy Density Dielectrics and Capacitors for Elevated Temperatures: <scp><scp>Ca</scp></scp>(<scp><scp>Zr</scp></scp>,<scp><scp>Ti</scp></scp>)<scp><scp>O</scp></scp>₃. Journal of the American Ceramic Society, 2013, 96, 1209-1213.	1.9	93
70	Microwave Dielectric Properties of Li₂(M²⁺)₂Mo₃O₁₂ and Li₃(M³⁺)Mo₃O₁₂ (M=Zn, Ca, Al, and In) Lyonsiteâ€Relatedâ€Type Ceramics with Ultraâ€Low Sintering Temperatures. Journal of the American Ceramic Society, 2011, 94, 802-805.	1.9	92
71	Octahedral tilt-suppression of ferroelectric domain wall dynamics and the associated piezoelectric activity inPb(Zr,Ti)O3. Physical Review B, 2007, 75, .	1.1	91
72	Origin of the â€œWaterfallâ€•Effect in Phonon Dispersion of Relaxor Perovskites. Physical Review Letters, 2003, 91, 107602.	2.9	90

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73	Modulated and ordered defect structures in electrically degraded Niâ€“BaTiO3 multilayer ceramic capacitors. Journal of Applied Physics, 2003, 94, 5990-5996.	1.1	90
74	Decarbonising ceramic manufacturing: A techno-economic analysis of energy efficient sintering technologies in the functional materials sector. Journal of the European Ceramic Society, 2019, 39, 5213-5235.	2.8	90
75	Crystal growth and characterization of new high Curie temperature (1â^'x)BiScO3â€“xPbTiO3 single crystals. Journal of Crystal Growth, 2002, 236, 210-216.	0.7	89
76	Strategy for stabilization of the antiferroelectric phase (Pbma) over the metastable ferroelectric phase (P21ma) to establish double loop hysteresis in lead-free (1â^'x)NaNbO3-xSrZrO3 solid solution. Journal of Applied Physics, 2015, 117, .	1.1	89
77	Electrophoretic deposition and sintering of thin/Thick PZT films. Journal of the European Ceramic Society, 1999, 19, 955-958.	2.8	87
78	Synthesis of Nanosized Silver Platelets in Octylamine-Water Bilayer Systems. Langmuir, 2002, 18, 8692-8699.	1.6	85
79	Phase transition, Raman spectra, infrared spectra, band gap and microwave dielectric properties of low temperature firing (Na0.5xBi1â^'0.5x)(MoxV1â^'x)O4 solid solution ceramics with scheelite structures. Journal of Materials Chemistry, 2011, 21, 18412.	6.7	84
80	A Route Forwards to Narrow the Performance Gap between <scp><scp>PZT</scp></scp> and Leadâ€Free Piezoelectric Ceramic with Low Oxygen Partial Pressure Processed (<scp><scp>Na</scp></scp>_{0.5}<scp><scp>K</scp></scp>_{0.5})<scp><scp>NbO</scp></scp>₃. Journal of the American Ceramic Society, 2012, 95, 2928-2933.	1.9	84
81	Structural and Dielectric Properties in (1â^'x)<scp><scp>BaTiO</scp></scp>₃â€“x<scp><scp>Bi</scp></scp>(<scp><scp>Mg</scp></scp><sub> Ceramics (0.1Ââ‰ÂxÂâ‰Â0.5) and Potential for Highâ€Voltage Multilayer Capacitors. Journal of the American Ceramic Society, 2013, 96, 2197-2202.	1.9	84
82	Antiferroelectrics: History, fundamentals, crystal chemistry, crystal structures, size effects, and applications. Journal of the American Ceramic Society, 2021, 104, 3775-3810.	1.9	83
83	Dielectric and Piezoelectric Properties of Niobium-modified BiInO3â€“PbTiO3 Perovskite Ceramics with High Curie Temperatures. Journal of Materials Research, 2005, 20, 2067-2071.	1.2	82
84	Low temperature synthesis of lead titanate by a hydrothermal method. Journal of Materials Research, 1997, 12, 189-197.	1.2	81
85	Dielectric and Piezoelectric Properties of High Curie Temperature Single Crystals in the Pb(Yb1/2Nb1/2)O3â€“xPbTiO3Solid Solution Series. Japanese Journal of Applied Physics, 2002, 41, 722-726.	0.8	81
86	Sr x Ba 1 â^' x Nb 2 O 6 â^' Î´ Ferroelectric-thermoelectrics: Crystal anisotropy, conduction mechanism, and power factor. Applied Physics Letters, 2010, 96, .	1.5	80
87	Crystal Structure of the Compound Bi₂Zn_{2/3}Nb_{4/3}O₇. Journal of Materials Research, 2002, 17, 1406-1411.	1.2	79
88	Difference between resistance degradation of fixed valence acceptor (Mg) and variable valence acceptor (Mn)-doped BaTiO3 ceramics. Journal of Applied Physics, 2010, 108, .	1.1	79
89	Crystal growth and electrical properties of Pb(Yb1/2Nb1/2)O3â€“PbTiO3 perovskite single crystals. Journal of Crystal Growth, 2002, 234, 415-420.	0.7	78
90	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.	1.3	77

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91	FDTD study of resonance Processes in metamaterials. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1477-1487.	2.9	77
92	Influence of nonstoichiometry on ferroelectric phase transition in BaTiO3. Journal of Applied Physics, 2007, 101, 054119.	1.1	77
93	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.	1.9	77
94	Direct evidence of an incommensurate phase in NaNbO3 and its implication in NaNbO3-based lead-free antiferroelectrics. Applied Physics Letters, 2015, 107, .	1.5	76
95	Effect of Acceptor (Mg) Concentration on the Resistance Degradation Behavior in Acceptor (Mg)â€Doped BaTiO₃ Bulk Ceramics: I. Impedance Analysis. Journal of the American Ceramic Society, 2009, 92, 1758-1765.	1.9	74
96	Single step densification of high permittivity BaTiO3 ceramics at 300 ÂºC. Journal of the European Ceramic Society, 2020, 40, 1280-1284.	2.8	74
97	Growth and characterization of Fe-doped Pb(Zn1/3Nb2/3)O3â^'PbTiO3 single crystals. Journal of Applied Physics, 2003, 93, 9257-9262.	1.1	73
98	Defect chemistry and resistance degradation in Fe-doped SrTiO3 single crystal. Acta Materialia, 2016, 108, 229-240.	3.8	73
99	Correlation between infrared phonon modes and dielectric relaxation in Bi2O3â€“ZnOâ€“Nb2O5 cubic pyrochlore. Applied Physics Letters, 2002, 81, 4404-4406.	1.5	72
100	Ceramicâ€“Salt Composite Electrolytes from Cold Sintering. Advanced Functional Materials, 2019, 29, 1807872.	7.8	72
101	Phase Relations and Dielectric Properties in the Bi₂O₃â€“ZnOâ€“Ta₂O₅ System. Journal of the American Ceramic Society, 2001, 84, 2557-2562.	1.9	71
102	Transmission electron microscopy investigation of the high temperature BiScO3â^'PbTiO3 piezoelectric ceramic system. Journal of Applied Physics, 2003, 93, 9271-9274.	1.1	71
103	Characterization of perovskite piezoelectric single crystals of 0.43BiScO3â€“0.57PbTiO3 with high Curie temperature. Journal of Applied Physics, 2004, 95, 4291-4295.	1.1	71
104	Cold sintering process for 8 mol%Y2O3-stabilized ZrO2 ceramics. Journal of the European Ceramic Society, 2017, 37, 2303-2308.	2.8	71
105	Cold sintering of a Li-ion cathode: LiFePO4-composite with high volumetric capacity. Ceramics International, 2017, 43, 15370-15374.	2.3	69
106	Thermopower in highly reducedn-type ferroelectric and related perovskite oxides and the role of heterogeneous nonstoichiometry. Physical Review B, 2009, 79, .	1.1	68
107	Correlation Between Resistance Degradation and Thermally Stimulated Depolarization Current in Acceptor (Mg)â€Doped BaTiO₃ Submicrometer Fineâ€Grain Ceramics. Journal of the American Ceramic Society, 2010, 93, 1950-1956.	1.9	68
108	Microwave dielectric properties of (ABi)1/2MoO4 (A=Li, Na, K, Rb, Ag) type ceramics with ultra-low firing temperatures. Materials Chemistry and Physics, 2011, 129, 688-692.	2.0	68

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109	Phase evolution, phase transition, and microwave dielectric properties of scheelite structured xBi(Fe1/3Mo2/3)O4â€“(1â^'x)BiVO4 (0.0 â‰¤ x â‰¤ 1.0) low temperature firing ceramics. Journal of Materials Chemistry, 2012, 22, 21412.	6.7	68
110	Advantages of Low Partial Pressure of Oxygen Processing of Alkali Niobate: NaNbO₃. Journal of the American Ceramic Society, 2014, 97, 1791-1796.	1.9	67
111	Utilizing the Cold Sintering Process for Flexibleâ€“Printable Electroceramic Device Fabrication. Journal of the American Ceramic Society, 2016, 99, 3202-3204.	1.9	67
112	Comparing hydrothermal sintering and cold sintering process: Mechanisms, microstructure, kinetics and chemistry. Journal of the European Ceramic Society, 2020, 40, 1312-1324.	2.8	67
113	Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics. Advanced Functional Materials, 2014, 24, 1409-1417.	7.8	66
114	TEM study of the disorder-order perovskite, Pb(In1/2Nb1/2)O3. Journal of Materials Science, 1988, 23, 3678-3682.	1.7	65
115	Orientation dependence of fatigue behavior in relaxor ferroelectricâ€“PbTiO3 thin films. Journal of Applied Physics, 2000, 87, 3965-3972.	1.1	64
116	A perovskite lead-free antiferroelectric xCaHfO3-(1-x) NaNbO3 with induced double hysteresis loops at room temperature. Journal of Applied Physics, 2016, 120, .	1.1	64
117	Cold sintering process for ZrO₂â€based ceramics: significantly enhanced densification evolution in yttriaâ€doped ZrO₂. Journal of the American Ceramic Society, 2017, 100, 491-495.	1.9	64
118	Phase formation and reactions in the Bi₂O₃â€“ZnOâ€“Nb₂O₅â€“Ag pyrochlore system. Journal of Materials Research, 2001, 16, 1460-1464.	1.2	63
119	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow	1.1	63
120	Local structure of Ba(Ti,Zr)O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>perovskite-like solid solutions and its relation to the band-gap behavior. Physical Review B, 2011, 83, .	1.1	62
121	Cold sintering and electrical characterization of lead zirconate titanate piezoelectric ceramics. APL Materials, 2018, 6, .	2.2	62
122	Fatigue anisotropy in single crystal Pb(Zn1/3Nb2/3)O3â€“PbTiO3. Journal of Applied Physics, 2000, 88, 7272-7277.	1.1	61
123	Cold Sintering: A Paradigm Shift for Processing and Integration of Ceramics. Angewandte Chemie, 2016, 128, 11629-11633.	1.6	61
124	Influence of Grain Size on Impedance Spectra and Resistance Degradation Behavior in Acceptor (Mg)â€Doped BaTiO₃Ceramics. Journal of the American Ceramic Society, 2009, 92, 2944-2952.	1.9	60
125	Cold sintering and coâ€firing of a multilayer device with thermoelectric materials. Journal of the American Ceramic Society, 2017, 100, 3488-3496.	1.9	60
126	Ultraâ€Low Firing Highâ€k Scheelite Structures Based on [(Li_{0.5}Bi_{0.5})_xBi_{1â^'x}][Mo_xV<sub>1â^'x</s Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2010, 93, 2147-2150.	1.9	60

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127	Epoxy-based nanocomposites for electrical energy storage. II: Nanocomposites with nanofillers of reactive montmorillonite covalently-bonded with barium titanate. Journal of Applied Physics, 2010, 108, .	1.1	59
128	Current progress and perspectives of applying cold sintering process to ZrO2-based ceramics. Scripta Materialia, 2017, 136, 141-148.	2.6	58
129	High-temperature perovskite relaxor ferroelectrics: A comparative study. Journal of Applied Physics, 2007, 101, 054107.	1.1	57
130	Ferroelastic phase transition compositional dependence for solid-solution [(Li0.5Bi0.5)xBi1â^'x][MoxV1â^'x]O4 scheelite-structured microwave dielectric ceramics. Acta Materialia, 2011, 59, 1502-1509.	3.8	57
131	Field-induced piezoelectric response in Pb(Mg1/3Nb2/3)O3â€“PbTiO3 single crystals. Solid State Communications, 2006, 137, 16-20.	0.9	56
132	Stabilized antiferroelectricity in xBiScO3-(1-x)NaNbO3 lead-free ceramics with established double hysteresis loops. Applied Physics Letters, 2018, 112, .	1.5	56
133	Contrasting energy efficiency in various ceramic sintering processes. Journal of the European Ceramic Society, 2018, 38, 1018-1029.	2.8	56
134	Life cycle assessment and environmental profile evaluation of lead-free piezoelectrics in comparison with lead zirconate titanate. Journal of the European Ceramic Society, 2018, 38, 4922-4938.	2.8	56
135	Possibility of Cofiring a Nickel Inner Electrode in a (Na_{0.5}K_{0.5})NbO₃â€“LiF Piezoelectric Actuator. Japanese Journal of Applied Physics, 2013, 52, 09KD07.	0.8	55
136	Base Metal Co-Fired Multilayer Piezoelectrics. Actuators, 2016, 5, 8.	1.2	55
137	Introducing a ZnOâ€“PTFE (Polymer) Nanocomposite Varistor via the Cold Sintering Process. Advanced Engineering Materials, 2018, 20, 1700902.	1.6	55
138	Coldâ€Sintered C0G Multilayer Ceramic Capacitors. Advanced Electronic Materials, 2019, 5, 1900025.	2.6	55
139	Short-range order phenomena in lead-based perovskites. Ferroelectrics, 1987, 76, 277-282.	0.3	54
140	Recent developments in high Curie temperature perovskite single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 564-569.	1.7	54
141	Dielectric Characteristics of Perovskiteâ€Structured Highâ€Temperature Relaxor Ferroelectrics: The BiScO₃â€“Pb(Mg_{1/3}Nb_{2/3})O₃â€“PbTiO₃ Ternary System. Journal of the American Ceramic Society, 2008, 91, 1781-1787.	1.9	54
142	Effect of Acceptor (Mg) Concentration on the Resistance Degradation Behavior in Acceptor (Mg)â€Doped BaTiO₃ Bulk Ceramics: II. Thermally Stimulated Depolarization Current Analysis. Journal of the American Ceramic Society, 2009, 92, 1766-1772.	1.9	54
143	Phase Evolution, Phase Transition, Raman Spectra, Infrared Spectra, and Microwave Dielectric Properties of Low Temperature Firing (K_{0.5x}Bi_{1â€“0.5x})(Mo_xV_{1â€“x})O₄ Ceramics with Scheelite Related Structure. Inorganic Chemistry, 2011, 50, 12733-12738.	1.9	54
144	Improved reliability predictions in high permittivity dielectric oxide capacitors under high dc electric fields with oxygen vacancy induced electromigration. Journal of Applied Physics, 2013, 113, .	1.1	54

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