

Ian M Reaney

List of Publications by Year in descending order

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375
papers

20,961
citations

7561

77
h-index

13365

130
g-index

381
all docs

381
docs citations

381
times ranked

10775
citing authors

#	ARTICLE	IF	CITATIONS
1	Low permittivity cordierite-based microwave dielectric ceramics for 5G/6G telecommunications. <i>Journal of the European Ceramic Society</i> , 2022, 42, 2820-2826.	2.8	76
2	Synthesis and dielectric characterisation of a low loss BaSrTiO ₃ /ABS ceramic/polymer composite for fused filament fabrication additive manufacturing. <i>Additive Manufacturing</i> , 2022, 55, 102844.	1.7	7
3	Low sintering temperature, temperature-stable scheelite structured Bi[V _{1-x} (Fe ^{1/3} W ^{2/3}) _x]O ₄ microwave dielectric ceramics. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5731-5737.	2.8	12
4	Induced internal stresses and their relation to FLASH sintering of KNN ceramics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 10916-10925.	2.7	4
5	Anomalous dielectric behaviour during the monoclinic to tetragonal phase transition in La(Nb _{0.9} V _{0.1})O ₄ . <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 156-163.	3.0	29
6	Mechanism of enhanced energy storage density in AgNbO ₃ -based lead-free antiferroelectrics. <i>Nano Energy</i> , 2021, 79, 105423.	8.2	180
7	Additively manufactured ultra-low sintering temperature, low loss Ag ₂ Mo ₂ O ₇ ceramic substrates. <i>Journal of the European Ceramic Society</i> , 2021, 41, 394-401.	2.8	29
8	Cold sintered, temperature-stable CaSnSiO ₅ -K ₂ MoO ₄ composite microwave ceramics and its prototype microstrip patch antenna. <i>Journal of the European Ceramic Society</i> , 2021, 41, 424-429.	2.8	36
9	Enhancement of densification and microwave dielectric properties in LiF ceramics via a cold sintering and post-annealing process. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1726-1729.	2.8	56
10	Direct ink writing of bismuth molybdate microwave dielectric ceramics. <i>Ceramics International</i> , 2021, 47, 7625-7631.	2.3	5
11	The Role of Cycle Life on the Environmental Impact of Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ based Solid-State Batteries. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000241.	2.7	17
12	Cold sintering of microwave dielectric ceramics and devices. <i>Journal of Materials Research</i> , 2021, 36, 333-349.	1.2	59
13	A Chemical Element Sustainability Index. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105317.	5.3	6
14	Electroceramics for High-Energy Density Capacitors: Current Status and Future Perspectives. <i>Chemical Reviews</i> , 2021, 121, 6124-6172.	23.0	579
15	Characterizing oxygen atoms in perovskite and pyrochlore oxides using ADF-STEM at a resolution of a few tens of picometers. <i>Acta Materialia</i> , 2021, 208, 116717.	3.8	4
16	Antiferroelectrics: History, fundamentals, crystal chemistry, crystal structures, size effects, and applications. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3775-3810.	1.9	83
17	Ultrahigh energy density in short-range tilted NBT-based lead-free multilayer ceramic capacitors by nanodomain percolation. <i>Energy Storage Materials</i> , 2021, 38, 113-120.	9.5	139
18	The influence of Fe ₂ O ₃ reagent grade purity on the electrical properties of undoped LaFeO ₃ ceramics: A cautionary reminder. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4189-4198.	2.8	5

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19	In situ poling X-ray diffraction studies of lead-free BiFeO ₃ –SrTiO ₃ ceramics. <i>Materials Today Physics</i> , 2021, 19, 100426.	2.9	24
20	Temperature-dependent dielectric and Raman spectra and microwave dielectric properties of gehlenite-type Ca ₂ Al ₂ Si ₇ ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 771-777.	1.1	22
21	Cold sintered CaTiO ₃ -K ₂ MoO ₄ microwave dielectric ceramics for integrated microstrip patch antennas. <i>Applied Materials Today</i> , 2020, 18, 100519.	2.3	48
22	Lead-free (Ba,Sr)TiO ₃ – BiFeO ₃ based multilayer ceramic capacitors with high energy density. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1779-1783.	2.8	79
23	Modelling the particle contact influence on the Joule heating and temperature distribution during FLASH sintering. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1205-1211.	2.8	28
24	The Role of Particle Contact in Densification of FLASH Sintered Potassium Sodium Niobate. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3720-3728.	1.0	7
25	Towards revealing key factors in mechanical instability of bioabsorbable Zn-based alloys for intended vascular stenting. <i>Acta Biomaterialia</i> , 2020, 105, 319-335.	4.1	62
26	Microstructure and microwave dielectric properties of 3D printed low loss Bi ₂ Mo ₂ O ₉ ceramics for LTCC applications. <i>Applied Materials Today</i> , 2020, 21, 100862.	2.3	12
27	Novel BaTiO ₃ -Based, Ag/Pd-Compatible Lead-Free Relaxors with Superior Energy Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43942-43949.	4.0	130
28	Superior energy density through tailored dopant strategies in multilayer ceramic capacitors. <i>Energy and Environmental Science</i> , 2020, 13, 2938-2948.	15.6	212
29	Advances in Cold Sintering. <i>Johnson Matthey Technology Review</i> , 2020, 64, 219-232.	0.5	16
30	Fatigue resistant lead-free multilayer ceramic capacitors with ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11414-11423.	5.2	114
31	Cold sintered LiMgPO ₄ based composites for low temperature co-fired ceramic (LTCC) applications. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6237-6244.	1.9	45
32	Tailoring the Mechanical and Degradation Performance of Mg-2.0Zn-0.5Ca-0.4Mn Alloy Through Microstructure Design. <i>Jom</i> , 2020, 72, 1880-1891.	0.9	6
33	Multi-material additive manufacturing of low sintering temperature Bi ₂ Mo ₂ O ₉ ceramics with Ag floating electrodes by selective laser burnout. <i>Virtual and Physical Prototyping</i> , 2020, 15, 133-147.	5.3	30
34	Materials matter in phosphorus sustainability. <i>MRS Bulletin</i> , 2020, 45, 7-10.	1.7	10
35	Spark plasma texturing: A strategy to enhance the electro-mechanical properties of lead-free potassium sodium niobate ceramics. <i>Applied Materials Today</i> , 2020, 19, 100566.	2.3	12
36	Direct Integration of Cold Sintered, Temperature-Stable Bi ₂ Mo ₂ O ₉ -K ₂ MoO ₄ Ceramics on Printed Circuit Boards for Satellite Navigation Antennas. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4029-4034.	2.8	52

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37	Origin of improved tunability and loss in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{N} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ annealed barium strontium titanate films. <i>Physical Review Materials</i> , 2020, 4, .	0.9	4
38	Temperature Dependent Piezoelectric Properties of Lead-Free $(1-x)\text{K}_0.6\text{Na}_{0.4}\text{NbO}_3 \hat{=} x\text{BiFeO}_3$ Ceramics. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	11
39	Life cycle assessment of functional materials and devices: Opportunities, challenges, and current and future trends. <i>Journal of the American Ceramic Society</i> , 2019, 102, 7037-7064.	1.9	20
40	Electronically Beam-steerable Dual-band Reflectarray for Satellite Communications. , 2019, , .		2
41	Origin of the large electrostrain in $\text{BiFeO}_3 \text{-BaTiO}_3$ based lead-free ceramics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21254-21263.	5.2	101
42	Novel water-assisting low firing MoO_3 microwave dielectric ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2374-2378.	2.8	42
43	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. <i>Energy and Environmental Science</i> , 2019, 12, 582-588.	15.6	393
44	Predicting the energy storage density in poly(methyl methacrylate)/methyl ammonium lead iodide composites. <i>Journal of Applied Physics</i> , 2019, 125, 214103.	1.1	2
45	Temperature Stable Cold Sintered $(\text{Bi}_{0.95}\text{Li}_{0.05})(\text{VO}_{0.9}\text{Mo}_{0.1})\text{O}_4\text{-Na}_2\text{Mo}_2\text{O}_7$ Microwave Dielectric Composites. <i>Materials</i> , 2019, 12, 1370.	1.3	32
46	Multibeam Dual-Circularly Polarized Reflectarray for Connected and Autonomous Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 3574-3585.	3.9	25
47	Cold-sintered COG Multilayer Ceramic Capacitors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900025.	2.6	55
48	Nanoscale Polar Heterogeneities and Branching Bi-Displacement Directions in $\text{K}_{_{0.5}\text{Bi}_{_{0.5}\text{TiO}_3$. <i>Chemistry of Materials</i> , 2019, 31, 2450-2458.	3.2	31
49	Laser sintering of electrophoretically deposited (EPD) Ti_3SiC_2 MAX phase coatings on titanium. <i>Surface and Coatings Technology</i> , 2019, 366, 199-203.	2.2	7
50	Mechanism of densification in low-temperature FLASH sintered lead free potassium sodium niobate (KNN) piezoelectrics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14334-14341.	2.7	27
51	Comparative environmental profile assessments of commercial and novel material structures for solid oxide fuel cells. <i>Applied Energy</i> , 2019, 235, 1300-1313.	5.1	21
52	High quality factor cold sintered $\text{Li}_2\text{MoO}_4\text{BaFe}_{12}\text{O}_{19}$ composites for microwave applications. <i>Acta Materialia</i> , 2019, 166, 202-207.	3.8	58
53	Porous hydroxyapatite-bioactive glass hybrid scaffolds fabricated via ceramic honeycomb extrusion. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3541-3556.	1.9	14
54	Bismuth ferrite-based lead-free ceramics and multilayers with high recoverable energy density. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4133-4144.	5.2	325

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55	Mechanical strain engineering of dielectric tunability in polycrystalline SrTiO ₃ thin films. Journal of Materials Chemistry C, 2018, 6, 2467-2475.	2.7	16
56	Crystal structure, impedance and broadband dielectric spectra of ordered scheelite-structured Bi(Sc _{1/3} Mo _{2/3})O ₄ ceramic. Journal of the European Ceramic Society, 2018, 38, 1556-1561.	2.8	39
57	Cold-Sintered Temperature Stable Na _{0.5} Bi _{0.5} MoO ₄ Li ₂ MoO ₄ Microwave Composite Ceramics. ACS Sustainable Chemistry and Engineering, 2018, 6, 2438-2444.	3.2	86
58	Life cycle assessment and environmental profile evaluations of high volumetric efficiency capacitors. Applied Energy, 2018, 220, 496-513.	5.1	35
59	p-Type/n-type behaviour and functional properties of K _x Na _(1-x) NbO ₃ (0.49 ≤ x ≤ 0.51) sintered in air and N ₂ . Journal of the European Ceramic Society, 2018, 38, 3118-3126.	2.8	22
60	Multiferroic and magnetoelectric properties of Pb _{0.99} [Zr _{0.45} Ti _{0.47} (Ni _{1/3} Sb _{2/3}) _{0.08}]O ₃ CoFe ₂ O ₄ multilayer composites fabricated by tape casting. Journal of the European Ceramic Society, 2018, 38, 1473-1478.	2.8	35
61	Study of the temperature dependence of the giant electric field-induced strain in Nb-doped BNT-BT-BKT piezoceramics. Materials Research Bulletin, 2018, 97, 385-392.	2.7	32
62	Temperature stable K _{0.5} (Nd _{1-x} Bi _x) _{0.5} MoO ₄ microwave dielectrics ceramics with ultra-low sintering temperature. Journal of the American Ceramic Society, 2018, 101, 1806-1810.	1.9	31
63	Stoichiometry-dependent local instability in MAPbI ₃ perovskite materials and devices. Journal of Materials Chemistry A, 2018, 6, 23578-23586.	5.2	21
64	Finite element study of the effect of particle interaction on the energy storage density of composite dielectrics. Energy Procedia, 2018, 151, 129-134.	1.8	0
65	(Ba, Sr)(Ti, Mn)O ₃ Perovskite Films for Co-Planar Waveguide Tunable Microwave Phase Shifters. , 2018, ,		2
66	The cyan-green luminescent behaviour of nitrated Ba ₉ Y ₂ Si ₆ O ₂₄ : Eu ²⁺ phosphors for W-LED. Ceramics International, 2018, 44, S2-S6.	2.3	10
67	BiFeO ₃ -BaTiO ₃ : A new generation of lead-free electroceramics. Journal of Advanced Dielectrics, 2018, 08, 1830004.	1.5	166
68	Optimising dopants and properties in BiMeO ₃ (Me = Al, Ga, Sc, Y, Mg _{2/3} Nb _{1/3} , Zn _{2/3} Nb _{1/3} , Zn _{1/2} Ti _{1/2}) lead-free BaTiO ₃ -BiFeO ₃ based ceramics for actuator applications. Journal of the European Ceramic Society, 2018, 38, 4220-4231.	2.8	92
69	Tailoring Ferroelectric Properties of 0.37BiScO ₃ 0.63PbTiO ₃ Thin Films Using a Multifunctional LaNiO ₃ Interlayer. Crystal Growth and Design, 2018, 18, 4037-4044.	1.4	4
70	Combinatorial synthesis and screening of (Ba,Sr)(Ti,Mn)O ₃ thin films for optimization of tunable co-planar waveguides. Journal of Materials Chemistry C, 2018, 6, 6222-6228.	2.7	9
71	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
72	Molten salt synthesis of MAX phases in the Ti-Al-C system. Journal of the European Ceramic Society, 2018, 38, 4585-4589.	2.8	49

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73	High electromechanical response in the non morphotropic phase boundary piezoelectric system <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PbTi</mml:mi><mml:msub><mml:mi>		

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91	Are lead-free piezoelectrics more environmentally friendly?. MRS Communications, 2017, 7, 1-7.	0.8	84
92	Synthesis of Barium Titanate Using Deep Eutectic Solvents. Inorganic Chemistry, 2017, 56, 542-547.	1.9	31
93	Microwave properties and structure of La ^x Ti ^y Si ^z Ba ^w O glass-ceramics for applications in GHz electronics. Journal of the European Ceramic Society, 2017, 37, 2137-2142.	2.8	11
94	Protocols for the Fabrication, Characterization, and Optimization of n-Type Thermoelectric Ceramic Oxides. Chemistry of Materials, 2017, 29, 265-280.	3.2	35
95	Guar gum: A novel binder for ceramic extrusion. Ceramics International, 2017, 43, 16727-16735.	2.3	12
96	High permittivity and low loss microwave dielectrics suitable for 5G resonators and low temperature co-fired ceramic architecture. Journal of Materials Chemistry C, 2017, 5, 10094-10098.	2.7	271
97	Designing pseudocubic perovskites with enhanced nanoscale polarization. Applied Physics Letters, 2017, 111, .	1.5	22
98	Synthesis of magnetocaloric La _{11.6} Si _{1.4} alloy by spark plasma sintering. Journal of Physics: Conference Series, 2017, 903, 012041.	0.3	0
99	Tuning dielectric properties in ceramics with anisotropic grain structure: The effect of sintering temperature on BaLa ₄ Ti ₄ O ₁₅ . Materials and Design, 2017, 113, 377-383.	3.3	4
100	Temperature dependent, large electromechanical strain in Nd-doped BiFeO ₃ -BaTiO ₃ lead-free ceramics. Journal of the European Ceramic Society, 2017, 37, 1857-1860.	2.8	167
101	Composition and temperature dependence of structure and piezoelectricity in (1-x)(K _y Na _y)NbO ₃ -(Bi _{1/2} Na _{1/2})Zr _{0.8} lead-free ceramics. Journal of the American Ceramic Society, 2017, 100, 627-637.		
102	La and Sm Co-doped SrTiO ₃ Thermoelectric Ceramics. Materials Today: Proceedings, 2017, 4, 12360-12367.	0.9	8
103	Porous hydroxyapatite scaffolds fabricated from nano-sized powder via honeycomb extrusion. Advanced Materials Letters, 2017, 8, 377-385.	0.3	3
104	The Influence of La Doping and Heterogeneity on the Thermoelectric Properties of Sr ₃ Ti ₂ O ₇ Ceramics. Journal of the American Ceramic Society, 2016, 99, 515-522.	1.9	10
105	Yttrium Iron Garnet/Barium Titanate Multiferroic Composites. Journal of the American Ceramic Society, 2016, 99, 1609-1614.	1.9	26
106	BaTiO ₃ -Bi(Mg _{2/3} Nb _{1/3})O ₃ Ceramics for High-temperature Capacitor Applications. Journal of the American Ceramic Society, 2016, 99, 2089-2095.	1.9	78
107	Design of a bilayer ceramic capacitor with low temperature coefficient of capacitance. Applied Physics Letters, 2016, 109, .	1.5	16
108	Drivers of U.S. toxicological footprints trajectory 1998-2013. Scientific Reports, 2016, 6, 39514.	1.6	29

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109	Temperature stable and fatigue resistant lead-free ceramics for actuators. Applied Physics Letters, 2016, 109, .	1.5	49
110	Phase transitions, domain structure, and pseudosymmetry in La- and Ti-doped BiFeO ₃ . Journal of Applied Physics, 2016, 119, .	1.1	22
111	Controlling mixed conductivity in Na _{1/2} Bi _{1/2} TiO ₃ using A-site non-stoichiometry and Nb-donor doping. Journal of Materials Chemistry C, 2016, 4, 5779-5786.	2.7	77
112	Novel temperature stable high- μ microwave dielectrics in the Bi ₂ O ₃ -TiO ₂ -V ₂ O ₅ system. Journal of Materials Chemistry C, 2016, 4, 5357-5362.	2.7	166
113	Integrated hybrid life cycle assessment and supply chain environmental profile evaluations of lead-based (lead zirconate titanate) versus lead-free (potassium sodium niobate) piezoelectric ceramics. Energy and Environmental Science, 2016, 9, 3495-3520.	15.6	116
114	The effect of substrate clamping on the paraelectric to antiferroelectric phase transition in Nd-doped BiFeO ₃ thin films. Thin Solid Films, 2016, 616, 767-772.	0.8	9
115	Temperature dependent piezoelectric response and strain-electric-field hysteresis of rare-earth modified bismuth ferrite ceramics. Journal of Materials Chemistry C, 2016, 4, 7859-7868.	2.7	40
116	High Ionic Conductivity with Low Degradation in A-Site Strontium-Doped Nonstoichiometric Sodium Bismuth Titanate Perovskite. Chemistry of Materials, 2016, 28, 5269-5273.	3.2	61
117	Preparation of Composite Electrospun Membranes Containing Strontium-Substituted Bioactive Glasses for Bone Tissue Regeneration. Macromolecular Materials and Engineering, 2016, 301, 972-981.	1.7	11
118	Current Understanding of Structure-Processing-Property Relationships in BaTiO ₃ -Bi(M)O ₃ Dielectrics. Journal of the American Ceramic Society, 2016, 99, 2849-2870.	1.9	99
119	Crystal Structure, Infrared Spectra, and Microwave Dielectric Properties of Temperature-Stable Zircon-Type (Y,Bi)VO ₄ Solid-Solution Ceramics. ACS Omega, 2016, 1, 963-970.	1.6	58
120	Optimization of magnetocaloric properties of arc-melted and spark plasma-sintered LaFe _{11.6} Si _{1.4} . Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	12
121	Microstructure Evolution of <i>In Situ</i> Pulsed-Laser Crystallized Pb(Zr _{0.52} Ti _{0.48})O ₃ Thin Films. Journal of the American Ceramic Society, 2016, 99, 43-50.	1.9	14
122	Maghemite-like regions at the crossing of two antiphase boundaries in doped BiFeO ₃ . Materials Science and Technology, 2016, 32, 242-247.	0.8	5
123	Coherent Growth of $\hat{\Gamma}_2$ -Fe ₂ O ₃ in Ti and Nd Co-doped BiFeO ₃ Thin Films. Materials Research Letters, 2016, 4, 168-173.	4.1	2
124	High-Figure-of-Merit Thermoelectric La-Doped A-Site-Deficient SrTiO ₃ Ceramics. Chemistry of Materials, 2016, 28, 925-935.	3.2	172
125	A resource efficient design strategy to optimise the temperature coefficient of capacitance of BaTiO ₃ -based ceramics using finite element modelling. Journal of Materials Chemistry A, 2016, 4, 6896-6901.	5.2	24
126	Microstructure evaluation of titanate based layered perovskites: constrained vs. free sintering. Microscopy and Microanalysis, 2015, 21, 92-93.	0.2	0

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127	The osteogenic response of mesenchymal stromal cells to strontium-substituted bioactive glasses. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 619-631.	1.3	64
128	Stabilisation of Fe ₂ O ₃ -rich Perovskite Nanophase in Epitaxial Rare-earth Doped BiFeO ₃ Films. <i>Scientific Reports</i> , 2015, 5, 13066.	1.6	9
129	Enhancing Properties in Microwave Ceramics Using a Designer Sintering Aid. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3891-3896.	1.9	4
130	Unveiling the Role of CNTs in the Phase Formation of One-Dimensional Ferroelectrics. <i>Langmuir</i> , 2015, 31, 6713-6720.	1.6	2
131	Dramatic Influence of A-Site Nonstoichiometry on the Electrical Conductivity and Conduction Mechanisms in the Perovskite Oxide Na _{0.5} Bi _{0.5} TiO ₃ . <i>Chemistry of Materials</i> , 2015, 27, 629-634.	3.2	210
132	Structure and microwave dielectric properties of La _{5-x} Sr _x Ti _{4+x} Ga _{1-x} O ₁₇ ceramics. <i>Journal of Materials Science</i> , 2015, 50, 3510-3516.	1.7	16
133	Phase transitions and octahedral rotations in epitaxial Ag(TaxNb _{1-x})O ₃ thin films under tensile strain. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	5
134	New low loss A ₉ B ₉ O ₃₁ (A=La; B=Ti, Mg, Sc, Fe, Al, Ga) ceramics for microwave applications. <i>Journal of Alloys and Compounds</i> , 2015, 646, 368-371.	2.8	14
135	A Crystal-Chemical Framework for Relaxor versus Normal Ferroelectric Behavior in Tetragonal Tungsten Bronzes. <i>Chemistry of Materials</i> , 2015, 27, 3250-3261.	3.2	153
136	Domain pinning near a single-grain boundary in tetragonal and rhombohedral lead zirconate titanate films. <i>Physical Review B</i> , 2015, 91, .	1.1	31
137	Domain Wall Motion Across Various Grain Boundaries in Ferroelectric Thin Films. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1848-1857.	1.9	42
138	Effect of Li ₃ PO ₄ addition on the sintering temperature, phase, microstructure, and electrical properties of BaTiO ₃ . <i>Journal of Materials Science</i> , 2015, 50, 1752-1759.	1.7	10
139	The atomic structure and chemistry of Fe-rich steps on antiphase boundaries in Ti-doped Bi _{0.9} Nd _{0.15} FeO ₃ . <i>APL Materials</i> , 2014, 2, .	2.2	18
140	Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods. <i>International Journal of Applied Ceramic Technology</i> , 2014, 11, 457-467.	1.1	16
141	Fabrication of multilayer dielectrically loaded antennas using aqueous electrophoretic deposition of polyether ether ketone. <i>Journal of Materials Science</i> , 2014, 49, 4121-4126.	1.7	6
142	A family of oxide ion conductors based on the ferroelectric perovskite Na _{0.5} Bi _{0.5} TiO ₃ . <i>Nature Materials</i> , 2014, 13, 31-35.	13.3	715
143	Piezoelectrics: Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics (Adv.) <i>Tj ETQq1 1 0.784314 rgBj / Overlock</i>	7.8	3
144	Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics. <i>Advanced Functional Materials</i> , 2014, 24, 1409-1417.	7.8	66

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145	Piezoelectric reconfigurable antenna. , 2013, , .		3
146	Synthesis and characterization of Bi _{1-x} Nd _x FeO ₃ thin films deposited using a high throughput physical vapour deposition technique. Thin Solid Films, 2013, 531, 56-60.	0.8	12
147	Multiferroic properties of BiFeO ₃ -(K _{0.5} Bi _{0.5})TiO ₃ ceramics. Materials Letters, 2013, 94, 172-175.	1.3	29
148	Local structure, pseudosymmetry, and phase transitions in Na _{1-x} Bi _x TiO ₃ ceramics. Journal of Applied Physics, 2013, 114, 164104.	1.1	97
149	Grain Growth Anomaly and Dielectric Response in Ti-rich Strontium Titanate Ceramics. Journal of Physical Chemistry C, 2013, 117, 24787-24795.	1.5	23
150	Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite. Advanced Functional Materials, 2013, 23, 683-689.	7.8	29
151	Local stabilisation of polar order at charged antiphase boundaries in antiferroelectric (Bi _{0.85} Nd _{0.15})(Ti _{0.1} Fe _{0.9})O ₃ . APL Materials, 2013, 1, .	2.2	44
152	Coherently strained epitaxial Pb(Zr _{1-x} Ti _x)O ₃ thin films. Journal of Applied Physics, 2013, 114, 164104.	1.1	5
153	Bi(Me)O ₃ ∩PbTiO ₃ high<i>T</i>_C piezoelectric multilayers. Materials Technology, 2013, 28, 247-253.	1.5	10
154	Nanorods: Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite (Adv. Funct. Mater. 6/2013). Advanced Functional Materials, 2013, 23, 654-654.	7.8	2
155	High dielectric tunability in lead niobate pyrochlore films. Applied Physics Letters, 2012, 100, 082901.	1.5	11
156	Local resistive switching of Nd doped BiFeO ₃ thin films. Applied Physics Letters, 2012, 100, .	1.5	28
157	Atomic-resolution STEM imaging and EELS-SI of defects in BiFeO ₃ ceramics co-doped with Nd and Ti. Journal of Physics: Conference Series, 2012, 371, 012034.	0.3	0
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