Ian M Reaney

List of Publications by Year in Descending Order

364 papers	15,587 citations	68 h-index	110 g-index
381 ext. papers	18,166 ext. citations	5.2 avg, IF	6.76 L-index

#	Paper	IF	Citations
364	Synthesis and dielectric characterisation of a low loss BaSrTiO3/ABS ceramic/polymer composite for fused filament fabrication additive manufacturing. *Additive Manufacturing*, **2022**, 55, 102844	6.1	1
363	A Chemical Element Sustainability Index. *Resources, Conservation and Recycling*, **2021**, 166, 105317	11.9	3
362	Electroceramics for High-Energy Density Capacitors: Current Status and Future Perspectives. *Chemical Reviews*, **2021**, 121, 6124-6172	68.1	129
361	Characterizing oxygen atoms in perovskite and pyrochlore oxides using ADF-STEM at a resolution of a few tens of picometers. *Acta Materialia*, **2021**, 208, 116717	8.4	2
360	Antiferroelectrics: History, fundamentals, crystal chemistry, crystal structures, size effects, and applications. *Journal of the American Ceramic Society*, **2021**, 104, 3775-3810	3.8	11
359	Ultrahigh energy density in short-range tilted NBT-based lead-free multilayer ceramic capacitors by nanodomain percolation. *Energy Storage Materials*, **2021**, 38, 113-120	19.4	47
358	The influence of Fe2O3 reagent grade purity on the electrical properties of □ndoped□LaFeO3 ceramics: A cautionary reminder. *Journal of the European Ceramic Society*, **2021**, 41, 4189-4198	6	3
357	In situ poling X-ray diffraction studies of lead-free BiFeO3□rTiO3 ceramics. *Materials Today Physics*, **2021**, 19, 100426	8	6
356	Anomalous dielectric behaviour during the monoclinic to tetragonal phase transition in La(Nb0.9V0.1)O4. *Inorganic Chemistry Frontiers*, **2021**, 8, 156-163	6.8	13
355	Mechanism of enhanced energy storage density in AgNbO3-based lead-free antiferroelectrics. *Nano Energy*, **2021**, 79, 105423	17.1	72
354	Additively manufactured ultra-low sintering temperature, low loss Ag2Mo2O7 ceramic substrates. *Journal of the European Ceramic Society*, **2021**, 41, 394-401	6	11
353	Cold sintered, temperature-stable CaSnSiO5-K2MoO4 composite microwave ceramics and its prototype microstrip patch antenna. *Journal of the European Ceramic Society*, **2021**, 41, 424-429	6	12
352	Enhancement of densification and microwave dielectric properties in LiF ceramics via a cold sintering and post-annealing process. *Journal of the European Ceramic Society*, **2021**, 41, 1726-1729	6	15
351	Direct ink writing of bismuth molybdate microwave dielectric ceramics. *Ceramics International*, **2021**, 47, 7625-7631	5.1	2
350	The Role of Cycle Life on the Environmental Impact of Li6.4La3Zr1.4Ta0.6O12 based Solid-State Batteries. *Advanced Sustainable Systems*, **2021**, 5, 2000241	5.9	3
349	Cold sintering of microwave dielectric ceramics and devices. *Journal of Materials Research*, **2021**, 36, 333-349	2.5	14
348	Advances in Cold Sintering : Improving energy consumption and unlocking new potential in component manufacturing. *Johnson Matthey Technology Review*, **2020**, 64, 219-232	2.5	7

347	Fatigue resistant lead-free multilayer ceramic capacitors with ultrahigh energy density. *Journal of Materials Chemistry A*, **2020**, 8, 11414-11423	13	60
346	Cold sintered LiMgPO4 based composites for low temperature co-fired ceramic (LTCC) applications. *Journal of the American Ceramic Society*, **2020**, 103, 6237-6244	3.8	17
345	Tailoring the Mechanical and Degradation Performance of Mg-2.0Zn-0.5Ca-0.4Mn Alloy Through Microstructure Design. *Jom*, **2020**, 72, 1880-1891	2.1	3
344	Multi-material additive manufacturing of low sintering temperature Bi2Mo2O9 ceramics with Ag floating electrodes by selective laser burnout. *Virtual and Physical Prototyping*, **2020**, 15, 133-147	10.1	22
343	Materials matter in phosphorus sustainability. *MRS Bulletin*, **2020**, 45, 7-10	3.2	5
342	Spark plasma texturing: A strategy to enhance the electro-mechanical properties of lead-free potassium sodium niobate ceramics. *Applied Materials Today*, **2020**, 19, 100566	6.6	3
341	Direct Integration of Cold Sintered, Temperature-Stable Bi2Mo2O9-K2MoO4 Ceramics on Printed Circuit Boards for Satellite Navigation Antennas. *Journal of the European Ceramic Society*, **2020**, 40, 4029-4034	6	21
340	Origin of improved tunability and loss in N2 annealed barium strontium titanate films. *Physical Review Materials*, **2020**, 4,	3.2	1
339	Temperature Dependent Piezoelectric Properties of Lead-Free (1-x)K0.6Na0.4NbO3–xBiFeO3 Ceramics. *Frontiers in Materials*, **2020**, 7,	4	4
338	Cold sintered CaTiO3-K2MoO4 microwave dielectric ceramics for integrated microstrip patch antennas. *Applied Materials Today*, **2020**, 18, 100519	6.6	31
337	Lead-free (Ba,Sr)TiO3 –BiFeO3 based multilayer ceramic capacitors with high energy density. *Journal of the European Ceramic Society*, **2020**, 40, 1779-1783	6	41
336	Modelling the particle contact influence on the Joule heating and temperature distribution during FLASH sintering. *Journal of the European Ceramic Society*, **2020**, 40, 1205-1211	6	9
335	The Role of Particle Contact in Densification of FLASH Sintered Potassium Sodium Niobate. *European Journal of Inorganic Chemistry*, **2020**, 2020, 3720-3728	2.3	2
334	Towards revealing key factors in mechanical instability of bioabsorbable Zn-based alloys for intended vascular stenting. *Acta Biomaterialia*, **2020**, 105, 319-335	10.8	25
333	Microstructure and microwave dielectric properties of 3D printed low loss Bi2Mo2O9 ceramics for LTCC applications. *Applied Materials Today*, **2020**, 21, 100862	6.6	6
332	Novel BaTiO-Based, Ag/Pd-Compatible Lead-Free Relaxors with Superior Energy Storage Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 43942-43949	9.5	45
331	Superior energy density through tailored dopant strategies in multilayer ceramic capacitors. *Energy and Environmental Science*, **2020**, 13, 2938-2948	35.4	90
330	Temperature-dependent dielectric and Raman spectra and microwave dielectric properties of gehlenite-type Ca2Al2SiO7 ceramics. *International Journal of Applied Ceramic Technology*, **2020**, 17, 771-777	2	16

329	Origin of the large electrostrain in BiFeO3-BaTiO3 based lead-free ceramics. *Journal of Materials Chemistry A*, **2019**, 7, 21254-21263	13	53
328	Novel water-assisting low firing MoO3 microwave dielectric ceramics. *Journal of the European Ceramic Society*, **2019**, 39, 2374-2378	6	31
327	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. *Energy and Environmental Science*, **2019**, 12, 582-588	35.4	239
326	Predicting the energy storage density in poly(methyl methacrylate)/methyl ammonium lead iodide composites. *Journal of Applied Physics*, **2019**, 125, 214103	2.5	2
325	Temperature Stable Cold Sintered (BiLi)(VMo)O-NaMoO Microwave Dielectric Composites. *Materials*, **2019**, 12,	3.5	21
324	Multibeam Dual-Circularly Polarized Reflectarray for Connected and Autonomous Vehicles. *IEEE Transactions on Vehicular Technology*, **2019**, 68, 3574-3585	6.8	17
323	Cold-Sintered C0G Multilayer Ceramic Capacitors. *Advanced Electronic Materials*, **2019**, 5, 1900025	6.4	38
322	Nanoscale Polar Heterogeneities and Branching Bi-Displacement Directions in K0.5Bi0.5TiO3. *Chemistry of Materials*, **2019**, 31, 2450-2458	9.6	21
321	Laser sintering of electrophoretically deposited (EPD) Ti3SiC2 MAX phase coatings on titanium. *Surface and Coatings Technology*, **2019**, 366, 199-203	4.4	4
320	Life cycle assessment of functional materials and devices: Opportunities, challenges, and current and future trends. *Journal of the American Ceramic Society*, **2019**, 102, 7037-7064	3.8	6
319	Electronically Beam-steerable Dual-band Reflectarray for Satellite Communications **2019**,		1
318	Mechanism of densification in low-temperature FLASH sintered lead free potassium sodium niobate (KNN) piezoelectrics. *Journal of Materials Chemistry C*, **2019**, 7, 14334-14341	7.1	15
317	Comparative environmental profile assessments of commercial and novel material structures for solid oxide fuel cells. *Applied Energy*, **2019**, 235, 1300-1313	10.7	11
316	High quality factor cold sintered Li2MoO4BaFe12O19 composites for microwave applications. *Acta Materialia*, **2019**, 166, 202-207	8.4	35
315	Porous hydroxyapatite-bioactive glass hybrid scaffolds fabricated via ceramic honeycomb extrusion. *Journal of the American Ceramic Society*, **2018**, 101, 3541-3556	3.8	8
314	Bismuth ferrite-based lead-free ceramics and multilayers with high recoverable energy density. *Journal of Materials Chemistry A*, **2018**, 6, 4133-4144	13	232
313	Mechanical strain engineering of dielectric tunability in polycrystalline SrTiO3 thin films. *Journal of Materials Chemistry C*, **2018**, 6, 2467-2475	7.1	10
312	Crystal structure, impedance and broadband dielectric spectra of ordered scheelite-structured Bi(Sc1/3Mo2/3)O4 ceramic. *Journal of the European Ceramic Society*, **2018**, 38, 1556-1561	6	34

311	Cold-Sintered Temperature Stable Na0.5Bi0.5MoO4–Li2MoO4 Microwave Composite Ceramics. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2438-2444	8.3	65
310	Life cycle assessment and environmental profile evaluations of high volumetric efficiency capacitors. *Applied Energy*, **2018**, 220, 496-513	10.7	17
309	p-Type/n-type behaviour and functional properties of KxNa(1-x)NbO3 (0.49≤x≤0.51) sintered in air and N2. *Journal of the European Ceramic Society*, **2018**, 38, 3118-3126	6	12
308	Multiferroic and magnetoelectric properties of Pb0.99[Zr0.45Ti0.47(Ni1/3Sb2/3)0.08]O3–CoFe2O4 multilayer composites fabricated by tape casting. *Journal of the European Ceramic Society*, **2018**, 38, 1473-1478	6	31
307	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	5.1	24
306	Reactive intermediate phase cold sintering in strontium titanate.. *RSC Advances*, **2018**, 8, 20372-20378	3.7	16
305	High Energy Storage Density and Large Strain in Bi(Zn2/3Nb1/3)O3-Doped BiFeO3–BaTiO3 Ceramics. *ACS Applied Energy Materials*, **2018**, 1, 4403-4412	6.1	138
304	High Quality Factor, Ultralow Sintering Temperature Li6B4O9Microwave Dielectric Ceramics with Ultralow Density for Antenna Substrates. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11138-11143	8.3	74
303	High strain (0.4%) Bi(Mg2/3Nb1/3)O3-BaTiO3-BiFeO3 lead-free piezoelectric ceramics and multilayers. *Journal of the American Ceramic Society*, **2018**, 101, 5428-5442	3.8	68
302	BaTiO3–Bi(Li0.5Ta0.5)O3, Lead-Free Ceramics, and Multilayers with High Energy Storage Density and Efficiency. *ACS Applied Energy Materials*, **2018**, 1, 5016-5023	6.1	72
301	BiVO4 based high k microwave dielectric materials: a review. *Journal of Materials Chemistry C*, **2018**, 6, 9290-9313	7.1	92
300	Linking sintering stresses to nano modification in the microstructure of BaLa4Ti4O15 by transmission electron microscopy. *Materials Characterization*, **2018**, 142, 1-8	3.9	1
299	Temperature stable K0.5(Nd1−xBix)0.5MoO4 microwave dielectrics ceramics with ultra-low sintering temperature. *Journal of the American Ceramic Society*, **2018**, 101, 1806-1810	3.8	25
298	Stoichiometry-dependent local instability in MAPbI3 perovskite materials and devices. *Journal of Materials Chemistry A*, **2018**, 6, 23578-23586	13	13
297	Finite element study of the effect of particle interaction on the energy storage density of composite dielectrics. *Energy Procedia*, **2018**, 151, 129-134	2.3	
296	The cyan-green luminescent behaviour of nitrided Ba9Y2Si6O24: Eu2+ phosphors for W-LED. *Ceramics International*, **2018**, 44, S2-S6	5.1	8
295	BiFeO3-BaTiO3: A new generation of lead-free electroceramics. *Journal of Advanced Dielectrics*, **2018**, 08, 1830004	1.3	100
294	Optimising dopants and properties in BiMeO3 (Me = Al, Ga, Sc, Y, Mg2/3Nb1/3, Zn2/3Nb1/3, Zn1/2Ti1/2) lead-free BaTiO3-BiFeO3 based ceramics for actuator applications. *Journal of the European Ceramic Society*, **2018**, 38, 4220-4231	6	57

293	Tailoring Ferroelectric Properties of 0.37BiScO3–0.63PbTiO3 Thin Films Using a Multifunctional LaNiO3 Interlayer. *Crystal Growth and Design*, **2018**, 18, 4037-4044	3.5	2
292	Combinatorial synthesis and screening of (Ba,Sr)(Ti,Mn)O3 thin films for optimization of tunable co-planar waveguides. *Journal of Materials Chemistry C*, **2018**, 6, 6222-6228	7.1	5
291	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	6	37
290	Molten salt synthesis of MAX phases in the Ti-Al-C system. *Journal of the European Ceramic Society*, **2018**, 38, 4585-4589	6	26
289	High electromechanical response in the non morphotropic phase boundary piezoelectric system PbTiO3–Bi(Zr1/2Ni1/2)O3. *Physical Review B*, **2018**, 97,	3.3	21
288	Band gap evolution and a piezoelectric-to-electrostrictive crossover in (1 − x)KNbO3–x(Ba0.5Bi0.5)(Nb0.5Zn0.5)O3 ceramics. *Journal of Materials Chemistry C*, **2017**, 5, 1990-1996	7.1	30
287	Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. *Energy and Environmental Science*, **2017**, 10, 653-671	35.4	90
286	Structure–property relationships of low sintering temperature scheelite-structured (1 − x)BiVO4–xLaNbO4 microwave dielectric ceramics. *Journal of Materials Chemistry C*, **2017**, 5, 2695-2701	7.1	96
285	Continuously controllable optical band gap in orthorhombic ferroelectric KNbO3-BiFeO3 ceramics. *Applied Physics Letters*, **2017**, 110, 172902	3.4	43
284	Growth of BiFeO thin films by chemical solution deposition: the role of electrodes. *Physical Chemistry Chemical Physics*, **2017**, 19, 14337-14344	3.6	11
283	Perovskite solar cells: An integrated hybrid lifecycle assessment and review in comparison with other photovoltaic technologies. *Renewable and Sustainable Energy Reviews*, **2017**, 80, 1321-1344	16.2	150
282	Nanoscale Mapping of Bromide Segregation on the Cross Sections of Complex Hybrid Perovskite Photovoltaic Films Using Secondary Electron Hyperspectral Imaging in a Scanning Electron Microscope. *ACS Omega*, **2017**, 2, 2126-2133	3.9	14
281	Mixed ionic–electronic conduction in K1/2Bi1/2TiO3. *Journal of Materials Chemistry C*, **2017**, 5, 6300-6310	7.1	12
280	Novel water insoluble (NaxAg2−x)MoO4 (0≤x≤2) microwave dielectric ceramics with spinel structure sintered at 410 degrees. *Journal of Materials Chemistry C*, **2017**, 5, 6086-6091	7.1	45
279	How to extract reliable core-volume fractions from core-shell polycrystalline microstructures using cross sectional TEM micrographs. *Journal of the European Ceramic Society*, **2017**, 37, 2795-2801	6	2
278	Are lead-free piezoelectrics more environmentally friendly?. *MRS Communications*, **2017**, 7, 1-7	2.7	62
277	Synthesis of Barium Titanate Using Deep Eutectic Solvents. *Inorganic Chemistry*, **2017**, 56, 542-547	5.1	23
276	Microwave properties and structure of La2Ti2SiB2O10 glass-ceramics for applications in GHz electronics. *Journal of the European Ceramic Society*, **2017**, 37, 2137-2142	6	9

275	Protocols for the Fabrication, Characterization, and Optimization of n-Type Thermoelectric Ceramic Oxides. *Chemistry of Materials*, **2017**, 29, 265-280	9.6	23
274	Guar gum: A novel binder for ceramic extrusion. *Ceramics International*, **2017**, 43, 16727-16735	5.1	9
273	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	7.1	186
272	Designing pseudocubic perovskites with enhanced nanoscale polarization. *Applied Physics Letters*, **2017**, 111, 212902	3.4	14
271	Synthesis of magnetocaloric LaFe11.6Si1.4 alloy by spark plasma sintering. *Journal of Physics: Conference Series*, **2017**, 903, 012041	0.3	
270	Tuning dielectric properties in ceramics with anisotropic grain structure: The effect of sintering temperature on BaLa4Ti4O15. *Materials and Design*, **2017**, 113, 377-383	8.1	4
269	Temperature dependent, large electromechanical strain in Nd-doped BiFeO3-BaTiO3 lead-free ceramics. *Journal of the European Ceramic Society*, **2017**, 37, 1857-1860	6	114
268	Composition and temperature dependence of structure and piezoelectricity in (1−x)(K1−yNay)NbO3-x(Bi1/2Na1/2)ZrO3 lead-free ceramics. *Journal of the American Ceramic Society*, **2017**, 100, 627-637	3.8	66
267	La and Sm Co-doped SrTiO 3- δ Thermoelectric Ceramics. *Materials Today: Proceedings*, **2017**, 4, 12360-12367	1.4	5
266	Porous Hydroxyapatite Scaffolds Fabricated From Nano-Sized Powder Via Honeycomb Extrusion. *Advanced Materials Letters*, **2017**, 8, 377-385	2.4	3
265	Current Understanding of Structure–Processing–Property Relationships in BaTiO3–Bi(M)O3 Dielectrics. *Journal of the American Ceramic Society*, **2016**, 99, 2849-2870	3.8	69
264	Crystal Structure, Infrared Spectra, and Microwave Dielectric Properties of Temperature-Stable Zircon-Type (Y,Bi)VO Solid-Solution Ceramics. *ACS Omega*, **2016**, 1, 963-970	3.9	46
263	Optimization of magnetocaloric properties of arc-melted and spark plasma-sintered LaFe11.6Si1.4. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	8
262	Microstructure Evolution of In Situ Pulsed-Laser Crystallized Pb(Zr0.52Ti0.48)O3 Thin Films. *Journal of the American Ceramic Society*, **2016**, 99, 43-50	3.8	14
261	Maghemite-like regions at the crossing of two antiphase boundaries in doped BiFeO3. *Materials Science and Technology*, **2016**, 32, 242-247	1.5	4
260	Coherent Growth of α-Fe2O3 in Ti and Nd Co-doped BiFeO3 Thin Films. *Materials Research Letters*, **2016**, 4, 168-173	7.4	1
259	High-Figure-of-Merit Thermoelectric La-Doped A-Site-Deficient SrTiO3 Ceramics. *Chemistry of Materials*, **2016**, 28, 925-935	9.6	124
258	A resource efficient design strategy to optimise the temperature coefficient of capacitance of BaTiO3-based ceramics using finite element modelling. *Journal of Materials Chemistry A*, **2016**, 4, 6896-6901	10	22

257	The Influence of La Doping and Heterogeneity on the Thermoelectric Properties of Sr3Ti2O7 Ceramics. *Journal of the American Ceramic Society*, **2016**, 99, 515-522	3.8	7
256	Yttrium Iron Garnet/Barium Titanate Multiferroic Composites. *Journal of the American Ceramic Society*, **2016**, 99, 1609-1614	3.8	17
255	BaTiO3–Bi(Mg2/3Nb1/3)O3 Ceramics for High-Temperature Capacitor Applications. *Journal of the American Ceramic Society*, **2016**, 99, 2089-2095	3.8	50
254	Design of a bilayer ceramic capacitor with low temperature coefficient of capacitance. *Applied Physics Letters*, **2016**, 109, 082904	3.4	13
253	Drivers of U.S. toxicological footprints trajectory 1998-2013. *Scientific Reports*, **2016**, 6, 39514	4.9	24
252	Temperature stable and fatigue resistant lead-free ceramics for actuators. *Applied Physics Letters*, **2016**, 109, 142907	3.4	38
251	Phase transitions, domain structure, and pseudosymmetry in La- and Ti-doped BiFeO3. *Journal of Applied Physics*, **2016**, 119, 054101	2.5	20
250	Controlling mixed conductivity in Na1/2Bi1/2TiO3 using A-site non-stoichiometry and Nb-donor doping. *Journal of Materials Chemistry C*, **2016**, 4, 5779-5786	7.1	57
249	Novel temperature stable high-ε microwave dielectrics in the Bi2O3–TiO2–V2O5 system. *Journal of Materials Chemistry C*, **2016**, 4, 5357-5362	7.1	151
248	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	35.4	82
247	The effect of substrate clamping on the paraelectric to antiferroelectric phase transition in Nd-doped BiFeO3 thin films. *Thin Solid Films*, **2016**, 616, 767-772	2.2	5
246	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	7.1	34
245	High Ionic Conductivity with Low Degradation in A-Site Strontium-Doped Nonstoichiometric Sodium Bismuth Titanate Perovskite. *Chemistry of Materials*, **2016**, 28, 5269-5273	9.6	43
244	Preparation of Composite Electrospun Membranes Containing Strontium-Substituted Bioactive Glasses for Bone Tissue Regeneration. *Macromolecular Materials and Engineering*, **2016**, 301, 972-981	3.9	10
243	Structure and microwave dielectric properties of La5− Sr x Ti4+x Ga1− O17 ceramics. *Journal of Materials Science*, **2015**, 50, 3510-3516	4.3	13
242	Phase transitions and octahedral rotations in epitaxial Ag(TaxNb1−)O3 thin films under tensile strain. *Journal of Applied Physics*, **2015**, 117, 085309	2.5	1
241	New low loss A9B9O31 (A=La; B=Ti, Mg, Sc, Fe, Al, Ga) ceramics for microwave applications. *Journal of Alloys and Compounds*, **2015**, 646, 368-371	5.7	10
240	A Crystal-Chemical Framework for Relaxor versus Normal Ferroelectric Behavior in Tetragonal Tungsten Bronzes. *Chemistry of Materials*, **2015**, 27, 3250-3261	9.6	107

239	Domain pinning near a single-grain boundary in tetragonal and rhombohedral lead zirconate titanate films. *Physical Review B*, **2015**, 91,	3.3	25
238	Domain Wall Motion Across Various Grain Boundaries in Ferroelectric Thin Films. *Journal of the American Ceramic Society*, **2015**, 98, 1848-1857	3.8	29
237	Effect of Li3PO4 addition on the sintering temperature, phase, microstructure, and electrical properties of BaTiO3. *Journal of Materials Science*, **2015**, 50, 1752-1759	4.3	6
236	Microstructure evaluation of titanate based layered perovskites: constrained vs. free sintering. *Microscopy and Microanalysis*, **2015**, 21, 92-93	0.5	
235	The osteogenic response of mesenchymal stromal cells to strontium-substituted bioactive glasses. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, 619-31	4.4	54
234	Stabilisation of Fe2O3-rich Perovskite Nanophase in Epitaxial Rare-earth Doped BiFeO3 Films. *Scientific Reports*, **2015**, 5, 13066	4.9	7
233	Enhancing Properties in Microwave Ceramics Using a Designer Sintering Aid. *Journal of the American Ceramic Society*, **2015**, 98, 3891-3896	3.8	3
232	Unveiling the Role of CNTs in the Phase Formation of One-Dimensional Ferroelectrics. *Langmuir*, **2015**, 31, 6713-20	4	2
231	Dramatic Influence of A-Site Nonstoichiometry on the Electrical Conductivity and Conduction Mechanisms in the Perovskite Oxide Na0.5Bi0.5TiO3. *Chemistry of Materials*, **2015**, 27, 629-634	9.6	178
230	Fabrication of multilayer dielectrically loaded antennas using aqueous electrophorectic deposition of polyether ether ketone. *Journal of Materials Science*, **2014**, 49, 4121-4126	4.3	5
229	A family of oxide ion conductors based on the ferroelectric perovskite Na0.5Bi0.5TiO3. *Nature Materials*, **2014**, 13, 31-5	27	548
228	Piezoelectrics: Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics (Adv. Funct. Mater. 10/2014). *Advanced Functional Materials*, **2014**, 24, 1408-1408	15.6	3
227	Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics. *Advanced Functional Materials*, **2014**, 24, 1409-1417	15.6	57
226	The atomic structure and chemistry of Fe-rich steps on antiphase boundaries in Ti-doped Bi0.9Nd0.15FeO3. *APL Materials*, **2014**, 2, 066106	5.7	17
225	Characterization of Yttrium Iron Garnet/Barium Titanate Multiferroic Composites Prepared by Sol-Gel and Coprecipitation Methods. *International Journal of Applied Ceramic Technology*, **2014**, 11, 457-467	2	11
224	Piezoelectric reconfigurable antenna **2013**,		2
223	Synthesis and characterization of Bi1 □xNdxFeO3 thin films deposited using a high throughput physical vapour deposition technique. *Thin Solid Films*, **2013**, 531, 56-60	2.2	9
222	Multiferroic properties of BiFeO3-(K0.5Bi0.5)TiO3 ceramics. *Materials Letters*, **2013**, 94, 172-175	3.3	28

221	Local structure, pseudosymmetry, and phase transitions in Na1/2Bi1/2TiO3K1/2Bi1/2TiO3 ceramics. *Physical Review B*, **2013**, 87,	3.3	79
220	Grain Growth Anomaly and Dielectric Response in Ti-rich Strontium Titanate Ceramics. *Journal of Physical Chemistry C*, **2013**, 117, 24787-24795	3.8	19
219	Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite. *Advanced Functional Materials*, **2013**, 23, 683-689	15.6	26
218	Local stabilisation of polar order at charged antiphase boundaries in antiferroelectric (Bi0.85Nd0.15)(Ti0.1Fe0.9)O3. *APL Materials*, **2013**, 1, 021102	5.7	39
217	Coherently strained epitaxial Pb(Zr1xTix)O3 thin films. *Journal of Applied Physics*, **2013**, 114, 164104	2.5	5
216	Bi(Me)O3PbTiO3 high TC piezoelectric multilayers. *Materials Technology*, **2013**, 28, 247-253	2.1	7
215	Nanorods: Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite (Adv. Funct. Mater. 6/2013). *Advanced Functional Materials*, **2013**, 23, 654-654	15.6	2
214	Low Sintering Temperature Microwave Dielectric Ceramics and Composites Based on Bi 2 O 3 B 2 O 3. *Journal of the American Ceramic Society*, **2012**, 95, 3207-3213	3.8	29
213	A High-Temperature-Capacitor Dielectric Based on K0.5Na0.5NbO3-Modified Bi1/2Na1/2TiO3Bi1/2K1/2TiO3. *Journal of the American Ceramic Society*, **2012**, 95, 3519-3524	3.8	107
212	BaTiO3Bi(Zn1/2Ti1/2)O3BiScO3 Ceramics for High-Temperature Capacitor Applications. *Journal of the American Ceramic Society*, **2012**, 95, 3554-3561	3.8	111
211	Origin of microcracking in YMnO3 ceramics. *Scripta Materialia*, **2012**, 66, 288-291	5.6	14
210	Synthesis, microstructure and microwave dielectric properties of Ca4-xMgxLa2Ti5O17 ceramics. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 746-752	2.1	4
209	Determination of relative in vivo osteoconductivity of modified potassium fluorrichterite glass-ceramics compared with 45S5 bioglass. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 2521-9	4.5	13
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