

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9045191/ian-m-reaney-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A family of oxide ion conductors based on the ferroelectric perovskite $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$. <i>Nature Materials</i> , 2014 , 13, 31-5	27	548
363	Dielectric and Structural Characteristics of Ba- and Sr-based Complex Perovskites as a Function of Tolerance Factor. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, 3984-3990	1.4	543
362	Effect of structural changes in complex perovskites on the temperature coefficient of the relative permittivity. <i>Journal of Applied Physics</i> , 1993 , 74, 3414-3425	2.5	333
361	Orientation of rapid thermally annealed lead zirconate titanate thin films on (111) Pt substrates. <i>Journal of Materials Research</i> , 1994 , 9, 2540-2553	2.5	275
360	Crystal chemistry and domain structure of rare-earth doped BiFeO_3 ceramics. <i>Journal of Materials Science</i> , 2009 , 44, 5102-5112	4.3	262
359	Electron diffraction of tilted perovskites. <i>Acta Crystallographica Section B: Structural Science</i> , 2005 , 61, 387-99		242
358	Investigation of Pt/Ti bilayer metallization on silicon for ferroelectric thin film integration. <i>Journal of Applied Physics</i> , 1994 , 75, 232-239	2.5	240
357	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. <i>Energy and Environmental Science</i> , 2019 , 12, 582-588	35.4	239
356	Spontaneous (zero-field) relaxor ferroelectric-phase transition in disordered $\text{Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3$. <i>Journal of Applied Physics</i> , 1995 , 77, 1671-1676	2.5	235
355	Bismuth ferrite-based lead-free ceramics and multilayers with high recoverable energy density. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4133-4144	13	232
354	Review of crystal and domain structures in the $\text{PbZr}_x\text{Ti}_{1-x}\text{O}_3$ solid solution. <i>Physical Review B</i> , 2005 , 72,	3.3	227
353	Structure-microwave property relations in $(\text{Sr}_x\text{Ca}_{1-x})_{n+1}\text{Ti}_n\text{O}_{3n+1}$. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1723-1726	6	223
352	Crystal and domain structure of the $\text{BiFeO}_3\text{BbTiO}_3$ solid solution. <i>Journal of Applied Physics</i> , 2003 , 94, 3313-3318	2.5	217
351	Fabrication and characterization of nanoscale, Er^{3+} -doped, ultratransparent oxy-fluoride glass ceramics. <i>Applied Physics Letters</i> , 2002 , 81, 1937-1939	3.4	199
350	Nano- and Mesoscale Structure of $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$: A TEM Perspective. <i>Advanced Functional Materials</i> , 2012 , 22, 3445-3452	15.6	198
349	Relation between tolerance factor and T_c in Aurivillius compounds. <i>Journal of Materials Research</i> , 2001 , 16, 3139-3149	2.5	190
348	High permittivity and low loss microwave dielectrics suitable for 5G resonators and low temperature co-fired ceramic architecture. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10094-10098	7.1	186

- 347 Investigation of a high T_c piezoelectric system: (1-x)Bi(Mg_{1/2}Ti_{1/2})O₃(x)PbTiO₃. *Journal of Applied Physics*, **2004**, 95, 3633-3639 2.5 179
- 346 Dramatic Influence of A-Site Nonstoichiometry on the Electrical Conductivity and Conduction Mechanisms in the Perovskite Oxide Na_{0.5}Bi_{0.5}TiO₃. *Chemistry of Materials*, **2015**, 27, 629-634 9.6 178
- 345 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
- 344 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
- 343 Niobate-based microwave dielectrics suitable for third generation mobile phone base stations. *Applied Physics Letters*, **2001**, 79, 2952-2954 3.4 150
- 342 Use of Raman spectroscopy to determine the site occupancy of dopants in BaTiO₃. *Journal of Applied Physics*, **2011**, 109, 114110 2.5 148
- 341 Nd-doped BiFeO₃ ceramics with antipolar order. *Applied Physics Letters*, **2009**, 94, 112903 3.4 146
- 340 High Energy Storage Density and Large Strain in Bi(Zn_{2/3}Nb_{1/3})O₃-Doped BiFeO₃-BaTiO₃ Ceramics. *ACS Applied Energy Materials*, **2018**, 1, 4403-4412 6.1 138
- 339 Dielectric loss caused by oxygen vacancies in titania ceramics. *Journal of the European Ceramic Society*, **2009**, 29, 419-424 6 134
- 338 Use of Transmission Electron Microscopy for the Characterization of Rapid Thermally Annealed, Solution-Gel, Lead Zirconate Titanate Films. *Journal of the American Ceramic Society*, **1994**, 77, 1209-1216 3.8 130
- 337 Electroceramics for High-Energy Density Capacitors: Current Status and Future Perspectives. *Chemical Reviews*, **2021**, 121, 6124-6172 68.1 129
- 336 High-Figure-of-Merit Thermoelectric La-Doped A-Site-Deficient SrTiO₃ Ceramics. *Chemistry of Materials*, **2016**, 28, 925-935 9.6 124
- 335 BaTiO₃-Based Ceramics for Tunable Microwave Applications. *Journal of the American Ceramic Society*, **2004**, 87, 1082-1087 3.8 119
- 334 Structural changes underlying the diffuse dielectric response in AgNbO₃. *Physical Review B*, **2009**, 79, 3.3 117
- 333 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
- 332 BaTiO₃Bi(Zn_{1/2}Ti_{1/2})O₃BiScO₃ Ceramics for High-Temperature Capacitor Applications. *Journal of the American Ceramic Society*, **2012**, 95, 3554-3561 3.8 111
- 331 A Crystal-Chemical Framework for Relaxor versus Normal Ferroelectric Behavior in Tetragonal Tungsten Bronzes. *Chemistry of Materials*, **2015**, 27, 3250-3261 9.6 107
- 330 A High-Temperature-Capacitor Dielectric Based on K_{0.5}Na_{0.5}NbO₃-Modified Bi_{1/2}Na_{1/2}TiO₃Bi_{1/2}K_{1/2}TiO₃. *Journal of the American Ceramic Society*, **2012**, 95, 3519-3524 3.8 107

- 329 Reorientation of magnetic dipoles at the antiferroelectric-paraelectric phase transition of $\text{Bi}_{1-x}\text{Nd}_x\text{FeO}_3$ (0.15 $\leq x$ \leq 0.25). *Physical Review B*, **2010**, 81, 3.3 106
- 328 Coupling between octahedral tilting and ferroelectric order in tetragonal tungsten bronze-structured dielectrics. *Applied Physics Letters*, **2006**, 89, 122908 3.4 106
- 327 B-site order and infrared reflectivity in $\text{A}(\text{BB}')\text{O}_3$ complex perovskite ceramics. *Journal of Applied Physics*, **1994**, 76, 2086-2092 2.5 106
- 326 Displacive Phase Transitions and Magnetic Structures in Nd-Substituted BiFeO_3 . *Chemistry of Materials*, **2011**, 23, 2166-2175 9.6 104
- 325 Raman spectroscopy of B-site order/disorder in CaTiO_3 -based microwave ceramics. *Journal of the European Ceramic Society*, **2003**, 23, 2653-2659 6 104
- 324 Collective dynamics underpins Rayleigh behavior in disordered polycrystalline ferroelectrics. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7219-24 11.5 102
- 323 Vacancy ordering in reduced barium titanate. *Applied Physics Letters*, **2004**, 84, 4650-4652 3.4 102
- 322 Angular dispersion of oblique phonon modes in BiFeO_3 from micro-Raman scattering. *Physical Review B*, **2011**, 83, 3.3 100
- 321 Classification of transition temperature behavior in ferroelectric $\text{PbTiO}_3\text{Bi}(\text{Me?Me?})\text{O}_3$ solid solutions. *Journal of Applied Physics*, **2006**, 99, 024106 2.5 100
- 320 $\text{BiFeO}_3\text{-BaTiO}_3$: A new generation of lead-free electroceramics. *Journal of Advanced Dielectrics*, **2018**, 08, 1830004 1.3 100
- 319 Raman spectroscopy of CaTiO_3 -based perovskite solid solutions. *Journal of Materials Research*, **2004**, 19, 488-495 2.5 98
- 318 Structure-property relationships of low sintering temperature scheelite-structured $(1-x)\text{BiVO}_4/x\text{LaNbO}_4$ microwave dielectric ceramics. *Journal of Materials Chemistry C*, **2017**, 5, 2695-2701 7.1 96
- 317 Dielectric and structural studies of $\text{Ba}_2\text{MTi}_2\text{Nb}_3\text{O}_{15}$ (BMTNO_{15} , $\text{M}=\text{Bi}^{3+}, \text{La}^{3+}, \text{Nd}^{3+}, \text{Sm}^{3+}, \text{Gd}^{3+}$) tetragonal tungsten bronze-structured ceramics. *Journal of Applied Physics*, **2007**, 101, 104114 2.5 96
- 316 Investigation of relaxors that transform spontaneously into ferroelectrics. *Ferroelectrics*, **1994**, 151, 343-348 3.4 95
- 315 Microwave Dielectric Ceramics for Resonators and Filters in Mobile Phone Networks. *Journal of the American Ceramic Society*, **2006**, 89, 060428035142006-??? 3.8 93
- 314 Effect of Nb Doping on the Microstructure of Sol-Gel-Derived PZT Thin Films. *Journal of the American Ceramic Society*, **1995**, 78, 1513-1520 3.8 93
- 313 BiVO_4 based high k microwave dielectric materials: a review. *Journal of Materials Chemistry C*, **2018**, 6, 9290-9313 7.1 92
- 312 Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. *Energy and Environmental Science*, **2017**, 10, 653-671 35.4 90

311	Superior energy density through tailored dopant strategies in multilayer ceramic capacitors. <i>Energy and Environmental Science</i> , 2020 , 13, 2938-2948	35.4	90
310	On the temperature coefficient of resonant frequency in microwave dielectrics. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001 , 81, 501-510		86
309	Polar order and diffuse scatter in Ba(Ti _{1-x} Zr _x)O ₃ ceramics. <i>Journal of Applied Physics</i> , 2009 , 106, 114111	2.5	83
308	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. <i>Energy and Environmental Science</i> , 2016 , 9, 3495-3520	35.4	82
307	Ti-Doping to Reduce Conductivity in Bi _{0.85} Nd _{0.15} FeO ₃ Ceramics. <i>Advanced Functional Materials</i> , 2011 , 21, 3737-3743	15.6	81
306	Local structure, pseudosymmetry, and phase transitions in Na _{1/2} Bi _{1/2} TiO ₃ /Bi _{1/2} TiO ₃ ceramics. <i>Physical Review B</i> , 2013 , 87,	3.3	79
305	Crystal structure of the compound Bi ₂ Zn ₂ /3Nb ₄ /3O ₇ . <i>Journal of Materials Research</i> , 2002 , 17, 1406-1411	1.5	76
304	High Quality Factor, Ultralow Sintering Temperature Li ₆ B ₄ O ₉ Microwave Dielectric Ceramics with Ultralow Density for Antenna Substrates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11138-11143	8.3	74
303	BaTiO ₃ /Bi(Li _{0.5} Ta _{0.5})O ₃ , Lead-Free Ceramics, and Multilayers with High Energy Storage Density and Efficiency. <i>ACS Applied Energy Materials</i> , 2018 , 1, 5016-5023	6.1	72
302	Mechanism of enhanced energy storage density in AgNbO ₃ -based lead-free antiferroelectrics. <i>Nano Energy</i> , 2021 , 79, 105423	17.1	72
301	Role of Defects in the Ferroelectric Relaxor Lead Scandium Tantalate. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 1947-1952	3.8	71
300	Current Understanding of Structure-Processing-Property Relationships in BaTiO ₃ /Bi(M)O ₃ Dielectrics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2849-2870	3.8	69
299	High strain (0.4%) Bi(Mg ₂ /3Nb ₁ /3)O ₃ -BaTiO ₃ -BiFeO ₃ lead-free piezoelectric ceramics and multilayers. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5428-5442	3.8	68
298	Decomposition of NiMn ₂ O ₄ spinel: an NTC thermistor material. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2145-2148	6	68
297	Tunability of Bi in perovskites and related compounds. <i>Journal of Materials Research</i> , 2002 , 17, 2033-2040	2.5	68
296	Composition and temperature dependence of structure and piezoelectricity in (1-x)(K _{1-x} Nay)NbO _{3-x} (Bi _{1/2} Na _{1/2})ZrO ₃ lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 627-637	3.8	66
295	Cold-Sintered Temperature Stable Na _{0.5} Bi _{0.5} MoO ₄ /Bi ₂ MoO ₄ Microwave Composite Ceramics. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 2438-2444	8.3	65
294	Transmission electron microscopy investigation of the high temperature BiScO ₃ /PbTiO ₃ piezoelectric ceramic system. <i>Journal of Applied Physics</i> , 2003 , 93, 9271-9274	2.5	63

293	Microwave dielectric solid solution phase in system $\text{BaO}(\text{Ln})_{2/3}\text{TiO}_2$ (Ln = lanthanide cation). <i>International Materials Reviews</i> , 1998 , 43, 205-219	16.1	63
292	Microwave dielectric solid solution phase in system $\text{BaO}(\text{Ln})_{2/3}\text{TiO}_2$ (Ln = lanthanide cation). <i>International Materials Reviews</i> , 1998 , 43, 205-219	16.1	63
291	Are lead-free piezoelectrics more environmentally friendly?. <i>MRS Communications</i> , 2017 , 7, 1-7	2.7	62
290	Early Stages of Crystallization of Sol-Gel-Derived Lead Zirconate Titanate Thin Films. <i>Chemistry of Materials</i> , 2003 , 15, 1147-1155	9.6	61
289	Fatigue resistant lead-free multilayer ceramic capacitors with ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11414-11423	13	60
288	Comparison of lead zirconate titanate thin films on ruthenium oxide and platinum electrodes. <i>Journal of Applied Physics</i> , 1994 , 75, 1521-1525	2.5	59
287	Hydrothermal Synthesis and Crystal Growth Studies of BaTiO_3 Using Ti Nanotube Precursors. <i>Crystal Growth and Design</i> , 2008 , 8, 3309-3315	3.5	58
286	Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics. <i>Advanced Functional Materials</i> , 2014 , 24, 1409-1417	15.6	57
285	Controlling mixed conductivity in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ using A-site non-stoichiometry and Nb-donor doping. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5779-5786	7.1	57
284	Optimising dopants and properties in BiMeO_3 (Me = Al, Ga, Sc, Y, $\text{Mg}_{2/3}\text{Nb}_{1/3}$, $\text{Zn}_{2/3}\text{Nb}_{1/3}$, $\text{Zn}_{1/2}\text{Ti}_{1/2}$) lead-free BaTiO_3 - BiFeO_3 based ceramics for actuator applications. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4220-4231	6	57
283	Structure-microwave property relations of Ca and Sr titanates. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2629-2632	6	55
282	Crystal structure and domain-wall contributions to the piezoelectric properties of strontium bismuth titanate ceramics. <i>Journal of Applied Physics</i> , 1996 , 80, 4223-4225	2.5	55
281	The osteogenic response of mesenchymal stromal cells to strontium-substituted bioactive glasses. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 619-31	4.4	54
280	High-temperature $(1-x)\text{BiSc}_{1-x}\text{Fe}_x\text{O}_3$ - $x\text{PbTiO}_3$ piezoelectric ceramics. <i>Applied Physics Letters</i> , 2005 , 87, 242901	3.4	54
279	Effects of strontium substitution in Nb-doped PZT ceramics. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1371-1375	6	54
278	Origin of the large electrostrain in BiFeO_3 - BaTiO_3 based lead-free ceramics. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21254-21263	13	53
277	In situ Raman spectroscopy of A-site doped barium titanate. <i>Applied Physics Letters</i> , 2007 , 91, 062908	3.4	53
276	Order-disorder behavior in $\text{Ba}(\text{Zn}_{1/3}\text{Ta}_{2/3})\text{O}_3$. <i>Journal of Applied Physics</i> , 2000 , 88, 6708-6714	2.5	52

275	BaTiO ₃ Bi(Mg ₂ /3Nb ₁ /3)O ₃ Ceramics for High-Temperature Capacitor Applications. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2089-2095	3.8	50
274	Electromechanical strain in Bi(Zn ₁ /2Ti ₁ /2)O ₃ (Bi ₁ /2Na ₁ /2)TiO ₃ (Bi ₁ /2K ₁ /2)TiO ₃ solid solutions. <i>Journal of Applied Physics</i> , 2012 , 111, 094105	2.5	47
273	Circularly Polarized Dielectric-Loaded Antennas: Current Technology and Future Challenges. <i>Advanced Functional Materials</i> , 2008 , 18, 2293-2300	15.6	47
272	Microwave Dielectric Properties of Gallium-Doped Hexagonal Barium Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 511-513	3.8	47
271	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	19.4	47
270	Crystal Structure, Infrared Spectra, and Microwave Dielectric Properties of Temperature-Stable Zircon-Type (Y,Bi)VO Solid-Solution Ceramics. <i>ACS Omega</i> , 2016 , 1, 963-970	3.9	46
269	Effects of Octahedral Tilting on the Piezoelectric Properties of Strontium/Barium/Niobium-Doped Soft Lead Zirconate Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2337-2344	3.8	46
268	Novel water insoluble (Na _x Ag _{2-x})MoO ₄ (0 ≤ x ≤ 2) microwave dielectric ceramics with spinel structure sintered at 410 degrees. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6086-6091	7.1	45
267	Displacive Ordering Transitions in Perovskite-Like AgNb ₁ /2Ta ₁ /2O ₃ . <i>Chemistry of Materials</i> , 2010 , 22, 4987-4995	9.6	45
266	Novel BaTiO-Based, Ag/Pd-Compatible Lead-Free Relaxors with Superior Energy Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43942-43949	9.5	45
265	Composition dependence of the lattice vibrations in Sr _{n+1} Ti _n O _{3n+1} Ruddlesden-Popper homologous series. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2639-2645	6	44
264	Nucleation and crystallisation of transparent, erbium III-doped, oxyfluoride glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2001 , 290, 25-31	3.9	44
263	Continuously controllable optical band gap in orthorhombic ferroelectric KNbO ₃ -BiFeO ₃ ceramics. <i>Applied Physics Letters</i> , 2017 , 110, 172902	3.4	43
262	Low loss Sr _{1-x} CaxLa ₄ Ti ₅ O ₁₇ microwave dielectric ceramics. <i>Materials Research Bulletin</i> , 2011 , 46, 1092-1096	19.6	43
261	A new relaxor ferroelectric, Ba ₂ LaTi ₂ Nb ₃ O ₁₅ . <i>Journal of Materials Chemistry</i> , 2002 , 12, 2609-2611		43
260	High Ionic Conductivity with Low Degradation in A-Site Strontium-Doped Nonstoichiometric Sodium Bismuth Titanate Perovskite. <i>Chemistry of Materials</i> , 2016 , 28, 5269-5273	9.6	43
259	Investigation of high Curie temperature (1-x)BiSc _{1-x} FeyO _{3-x} PbTiO ₃ piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2009 , 106, 084107	2.5	42
258	A new family of ferroelectric tetragonal tungsten bronze phases, Ba ₂ MTi ₂ X ₃ O ₁₅ . <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2471-2475	6	42

257	Domain variance and superstructure across the antiferroelectric/ferroelectric phase boundary in $\text{Pb}1\frac{1}{2}\text{La}x(\text{Zr}0.9\text{Ti}0.1)\text{O}3$. <i>Journal of Materials Research</i> , 2003 , 18, 262-271	2.5	41
256	Lead-free $(\text{Ba},\text{Sr})\text{TiO}3$ $\text{BiFeO}3$ based multilayer ceramic capacitors with high energy density. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1779-1783	6	41
255	Temperature-dependent crystal structure of ferroelectric $\text{Ba}_2\text{LaTi}_2\text{Nb}_3\text{O}_{15}$. <i>Journal of Materials Chemistry</i> , 2005 , 15, 798		40
254	Structure of the nanocrystals in oxyfluoride glass ceramics. <i>Applied Physics Letters</i> , 2003 , 83, 467-469	3.4	40
253	Phase transition and chemical order in the ferroelectric perovskite $(1-x)\text{Bi}(\text{Mg}_{3/4}\text{W}_{1/4})\text{O}_3-x\text{PbTiO}_3$ solid solution system. <i>Journal of Applied Physics</i> , 2005 , 97, 024101	2.5	40
252	DiP256: The temperature coefficient of the relative permittivity of complex perovskites and its relation to structural transformations. <i>Ferroelectrics</i> , 1992 , 133, 217-222	0.6	40
251	Local stabilisation of polar order at charged antiphase boundaries in antiferroelectric $(\text{Bi}0.85\text{Nd}0.15)(\text{Ti}0.1\text{Fe}0.9)\text{O}_3$. <i>APL Materials</i> , 2013 , 1, 021102	5.7	39
250	Formation of apatite layers on modified canasite glass-ceramics in simulated body fluid. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 59, 473-80		39
249	Raman spectroscopy and microwave properties of CaTiO_3 -based ceramics. <i>Journal of Applied Physics</i> , 2003 , 94, 2948-2956	2.5	39
248	Cold-Sintered COG Multilayer Ceramic Capacitors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900025	6.4	38
247	Temperature stable and fatigue resistant lead-free ceramics for actuators. <i>Applied Physics Letters</i> , 2016 , 109, 142907	3.4	38
246	High frequency dielectric properties of CaTiO_3 -based microwave ceramics. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 741-748	3	37
245	Fatigue, rejuvenation and self-restoring in ferroelectric thin films. <i>Integrated Ferroelectrics</i> , 1995 , 9, 293-306	3.8	37
244	Life cycle assessment and environmental profile evaluation of lead-free piezoelectrics in comparison with lead zirconate titanate. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4922-4938	6	37
243	Chemical Solution-Deposited BaTiO_3 Thin Films on Ni Foils: Microstructure and Interfaces. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1845-1850	3.8	36
242	Kinetic Study of the Static Hydrothermal Synthesis of BaTiO_3 Using Titanate Nanotubes Precursors. <i>Crystal Growth and Design</i> , 2011 , 11, 3358-3365	3.5	35
241	In situ observations of octahedral tilt transitions in strontium bismuth titanate layered perovskites. <i>Ferroelectrics</i> , 1995 , 165, 295-305	0.6	35
240	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	8.4	35

239	Crystal structure, impedance and broadband dielectric spectra of ordered scheelite-structured Bi(Sc _{1/3} Mo _{2/3})O ₄ ceramic. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1556-1561	6	34
238	Ordering and quality factor in 0.95BaZn _{1/3} Ta _{2/3} O ₃ –0.05SrGa _{1/2} Ta _{1/2} O ₃ production resonators. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 3021-3034	6	34
237	Temperature dependent piezoelectric response and strain–electric-field hysteresis of rare-earth modified bismuth ferrite ceramics. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7859-7868	7.1	34
236	Novel water-assisting low firing MoO ₃ microwave dielectric ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2374-2378	6	31
235	Multiferroic and magnetoelectric properties of Pb _{0.99} [Zr _{0.45} Ti _{0.47} (Ni _{1/3} Sb _{2/3}) _{0.08}]O ₃ –PbFe ₂ O ₄ multilayer composites fabricated by tape casting. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1473-1478 ³¹	6	31
234	Order–disorder phase transition in Ba(Zn _{1/3} Ta _{2/3})O ₃ . <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2613-2616	6	31
233	Cold sintered CaTiO ₃ –K ₂ MoO ₄ microwave dielectric ceramics for integrated microstrip patch antennas. <i>Applied Materials Today</i> , 2020 , 18, 100519	6.6	31
232	Band gap evolution and a piezoelectric-to-electrostrictive crossover in (1 – x)KNbO ₃ –(Ba _{0.5} Bi _{0.5})(Nb _{0.5} Zn _{0.5})O ₃ ceramics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1990-1996	7.1	30
231	Dielectric and structural characteristics of perovskites and related materials as a function of tolerance factor. <i>Ferroelectrics</i> , 1999 , 228, 23-38	0.6	30
230	Domain Wall Motion Across Various Grain Boundaries in Ferroelectric Thin Films. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1848-1857	3.8	29
229	Low Sintering Temperature Microwave Dielectric Ceramics and Composites Based on Bi ₂ O ₃ –Bi ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3207-3213	3.8	29
228	In vitro biocompatibility of a novel Fe ₂ O ₃ based glass ionomer cement. <i>Journal of Dentistry</i> , 2006 , 34, 533-8	4.8	29
227	Multiferroic properties of BiFeO ₃ –(K _{0.5} Bi _{0.5})TiO ₃ ceramics. <i>Materials Letters</i> , 2013 , 94, 172-175	3.3	28
226	Mechanisms of the Effect of Dopants and P(O ₂) on the Improper Ferroelastic Phase Transition in SrTiO ₃ . <i>Chemistry of Materials</i> , 2007 , 19, 6471-6477	9.6	28
225	Devitrification of ionomer glass and its effect on the in vitro biocompatibility of glass-ionomer cements. <i>Biomaterials</i> , 2003 , 24, 3153-60	15.6	28
224	FORMATION OF $(\text{Ti})'_{\text{Ti}} - V_{\text{O}}^{\bullet\bullet}$ DEFECT DIPOLES IN BaTiO ₃ CERAMICS HEAT-TREATED UNDER REDUCED OXYGEN PARTIAL-PRESSURE. <i>Functional Materials Letters</i> , 2010 , 03, 65-68	1.2	27
223	Effect of glass additions on the sintering and microwave properties of composite dielectric ceramics based on BaO–Ln ₂ O ₃ –TiO ₂ (Ln = Nd, La). <i>Journal of the European Ceramic Society</i> , 2007 , 27, 4479-4487	6	27
222	Microstructure and microwave properties of {CaTi _i O ₃ –GaO ₃ } solid solutions. <i>Journal of Materials Science</i> , 2005 , 40, 5207-5214	4.3	27

221	Defect chemistry of Ti-doped antiferroelectric Bi _{0.85} Nd _{0.15} FeO ₃ . <i>Applied Physics Letters</i> , 2012 , 100, 182902	3.4	26
220	Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite. <i>Advanced Functional Materials</i> , 2013 , 23, 683-689	15.6	26
219	Surface Decomposition of Strontium-Doped Soft PbZrO ₃ /PbTiO ₃ . <i>Journal of the American Ceramic Society</i> , 2004 , 85, 207-212	3.8	26
218	Order-disorder behaviour in 0.9Ba([Zn _{0.60} Co _{0.40}] _{1/3} Nb _{2/3})O ₃ ·0.1Ba(Ga _{0.5} Ta _{0.5})O ₃ microwave dielectric resonators. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1183-1189	6	26
217	Molten salt synthesis of MAX phases in the Ti-Al-C system. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4585-4589	6	26
216	Domain pinning near a single-grain boundary in tetragonal and rhombohedral lead zirconate titanate films. <i>Physical Review B</i> , 2015 , 91,	3.3	25
215	Local resistive switching of Nd doped BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2012 , 100, 133505	3.4	25
214	High temperature piezoelectric ceramics in the Bi(Mg _{1/2} Ti _{1/2})O ₃ -BiFeO ₃ -BiScO ₃ -PbTiO ₃ system. <i>Journal of Electroceramics</i> , 2010 , 25, 130-134	1.5	25
213	Ferroelectric PZT Thin Films by Sol-Gel Deposition. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 813-820	2.3	25
212	Towards revealing key factors in mechanical instability of bioabsorbable Zn-based alloys for intended vascular stenting. <i>Acta Biomaterialia</i> , 2020 , 105, 319-335	10.8	25
211	Temperature stable K _{0.5} (Nd _{1-x} Bix) _{0.5} MoO ₄ microwave dielectrics ceramics with ultra-low sintering temperature. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1806-1810	3.8	25
210	Study of the temperature dependence of the giant electric field-induced strain in Nb-doped BNT-BT-BKT piezoceramics. <i>Materials Research Bulletin</i> , 2018 , 97, 385-392	5.1	24
209	(1-x)CaTiO ₃ -(Li _{0.5} Nd _{0.5})TiO ₃ for ultra-small dielectrically loaded antennas. <i>Journal of Materials Science</i> , 2009 , 44, 6247-6250	4.3	24
208	Structure and Dielectric Properties of Lead Pyrochlores. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2472-2478	3.8	24
207	Dielectric spectra of a new relaxor ferroelectric system Ba ₂ LnTi ₂ Nb ₃ O ₁₅ (Ln = La, Nd). <i>Journal of the European Ceramic Society</i> , 2005 , 25, 3069-3073	6	24
206	Drivers of U.S. toxicological footprints trajectory 1998-2013. <i>Scientific Reports</i> , 2016 , 6, 39514	4.9	24
205	Synthesis of Barium Titanate Using Deep Eutectic Solvents. <i>Inorganic Chemistry</i> , 2017 , 56, 542-547	5.1	23
204	Protocols for the Fabrication, Characterization, and Optimization of n-Type Thermoelectric Ceramic Oxides. <i>Chemistry of Materials</i> , 2017 , 29, 265-280	9.6	23

203	High-Permittivity and Low-Loss Microwave Dielectric Ceramics Based on (x)RE(Zn _{1/2} Ti _{1/2})O ₃ (1-x)CaTiO ₃ (RE=La and Nd). <i>Journal of the American Ceramic Society</i> , 2011 , 94, 817-821	3.8	23
202	Displacive Phase Transitions and Intermediate Structures in Perovskites. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2242-2247	3.8	23
201	Microstructure and mechanical properties of fluorcanasite glass-ceramics for biomedical applications. <i>Journal of Materials Science</i> , 2008 , 43, 759-765	4.3	23
200	Microstructural studies of PZT thick films on Cu foils. <i>Acta Materialia</i> , 2006 , 54, 3211-3220	8.4	23
199	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	10.1	22
198	A resource efficient design strategy to optimise the temperature coefficient of capacitance of BaTiO ₃ -based ceramics using finite element modelling. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6896-6901	12.1	22
197	Structural phase transitions in Ti-doped Bi _{1-x} Nd _x FeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2012 , 111, 064107	2.5	22
196	Characterisation of fluorine containing glasses and glass-ceramics by ¹⁹ F magic angle spinning nuclear magnetic resonance spectroscopy. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 2185-2191	6	22
195	Prediction of osteoconductive activity of modified potassium fluorrichterite glass-ceramics by immersion in simulated body fluid. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 2979-88	4.5	22
194	A structural study of ceramics in the (BiMnO ₃) _x (PbTiO ₃) _{1-x} solid solution series. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 8823-8834	1.8	22
193	Structure-Property relations in xCaTiO ₃ (1-x)SrMg _{1/3} Nb _{2/3} O ₃ based microwave dielectrics. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2435-2441	6	22
192	Decomposition of NiMn ₂ O ₄ spinels. <i>Journal of Materials Research</i> , 2003 , 18, 1301-1308	2.5	22
191	Transmission electron microscopy investigation of Bi ₂ O ₃ -ZnO-Nb ₂ O ₅ pyrochlore and related phases. <i>Materials Letters</i> , 2002 , 57, 414-419	3.3	22
190	Temperature Stable Cold Sintered (BiLi)(VMo)O-NaMoO Microwave Dielectric Composites. <i>Materials</i> , 2019 , 12,	3.5	21
189	Nanoscale Polar Heterogeneities and Branching Bi-Displacement Directions in K _{0.5} Bi _{0.5} TiO ₃ . <i>Chemistry of Materials</i> , 2019 , 31, 2450-2458	9.6	21
188	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	6	21
187	In vitro biocompatibility of fluorcanasite glass-ceramics for bone tissue repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 80, 175-83	5.4	21
186	Effect of CaF ₂ and CaO Substituted for MgO on the Phase Evolution and Mechanical Properties of K-Fluorrichterite Glass Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 587-595	3.8	21

185	Structure-Property Relations in $x\text{BaTiO}_3(1-x)\text{La}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 584-590	3.8	21
184	High electromechanical response in the non morphotropic phase boundary piezoelectric system $\text{PbTiO}_3\text{Bi}(\text{Zr}_{1/2}\text{Ni}_{1/2})\text{O}_3$. <i>Physical Review B</i> , 2018 , 97,	3.3	21
183	Influence of octahedral tilting on the microwave dielectric properties of $\text{A}_3\text{LaNb}_3\text{O}_{12}$ hexagonal perovskites (A=Ba, Sr). <i>Applied Physics Letters</i> , 2009 , 94, 192904	3.4	20
182	Crystallization of Canasite/Frankamenite-Based Glass-Ceramics. <i>Chemistry of Materials</i> , 2004 , 16, 5736-5743	3.3	20
181	Phase transitions, domain structure, and pseudosymmetry in La- and Ti-doped BiFeO_3 . <i>Journal of Applied Physics</i> , 2016 , 119, 054101	2.5	20
180	Grain Growth Anomaly and Dielectric Response in Ti-rich Strontium Titanate Ceramics. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24787-24795	3.8	19
179	Effect of P_2O_5 on the early stage crystallization of K-fluorrichterite glass/ceramics. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 3362-3368	3.9	19
178	Characterization of High-Fracture Toughness K-Fluorrichterite-Fluorapatite Glass Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 240-246	3.8	19
177	Leakage behavior and conduction mechanisms of $\text{Ba}(\text{Ti}_{0.85}\text{Sn}_{0.15})\text{O}_3/\text{Bi}_{1.5}\text{Zn}_{1.0}\text{Nb}_{1.5}\text{O}_7$ heterostructures. <i>Journal of Applied Physics</i> , 2010 , 107, 104104	2.5	18
176	Crystallization and dielectric properties of borate-based ferroelectric PbTiO_3 glass-ceramics. <i>Journal of Electroceramics</i> , 2007 , 19, 221-228	1.5	18
175	Synthesis of the ferroelectric solid solution, $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ on a single substrate using a modified molecular beam epitaxy technique. <i>Applied Physics Letters</i> , 2007 , 90, 202907	3.4	18
174	Structure property relations in $\text{La}(\text{Mg}_{1-x}\text{Ti}_x)\text{O}_3$ -based solid solutions. <i>Journal of Applied Physics</i> , 2005 , 97, 033525	2.5	18
173	Structural determination and microwave properties of $(x)\text{Re}(\text{Co}_{1/2}\text{Ti}_{1/2})\text{O}_3(1-x)\text{CaTiO}_3$ (Re=La and Nd) solid solutions. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 875-882	6	18
172	Domain structure-property relations in lead lanthanum zirconate titanate ceramics. <i>Journal of Materials Research</i> , 1996 , 11, 2293-2301	2.5	18
171	Multibeam Dual-Circularly Polarized Reflectarray for Connected and Autonomous Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 3574-3585	6.8	17
170	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	3.8	17
169	Life cycle assessment and environmental profile evaluations of high volumetric efficiency capacitors. <i>Applied Energy</i> , 2018 , 220, 496-513	10.7	17
168	The atomic structure and chemistry of Fe-rich steps on antiphase boundaries in Ti-doped $\text{Bi}_{0.9}\text{Nd}_{0.15}\text{FeO}_3$. <i>APL Materials</i> , 2014 , 2, 066106	5.7	17

167	The effect of Li-substitution on the M-phases of AgNbO ₃ . <i>Journal of Applied Physics</i> , 2012 , 111, 024107	2.5	17
166	Effect of Lead Zirconate Titanate Seeds on PtxPb Formation during the Pyrolysis of Lead Zirconate Titanate Thin Films. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 641-646	3.8	17
165	Ferroelectric-paraelectric phase transition in the n=2 Aurivillius phase Bi ₃ Ti _{1.5} W _{0.5} O ₉ : A neutron powder diffraction study. <i>Physical Review B</i> , 2005 , 71,	3.3	17
164	Yttrium Iron Garnet/Barium Titanate Multiferroic Composites. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1609-1614	3.8	17
163	Reactive intermediate phase cold sintering in strontium titanate.. <i>RSC Advances</i> , 2018 , 8, 20372-20378	3.7	16
162	Synthesis and characterisation of Ga-doped hexagonal BaTiO ₃ . <i>Crystal Engineering</i> , 2002 , 5, 439-448		16
161	Synthesis and characterisation of La(Co _{1/2} Ti _{1/2})O ₃ . <i>Journal of the European Ceramic Society</i> , 2005 , 25, 433-439	6	16
160	Structure-Property Relationships of BaTi _{1-x} GayNbyO ₃ (0.0-0.35) Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3055-3062	3.8	16
159	Temperature-dependent dielectric and Raman spectra and microwave dielectric properties of gehlenite-type Ca ₂ Al ₂ SiO ₇ ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 771-777	7.7	16
158	Piezoelectric activity of (1-x)[0.35Bi(Mg _{1/2} Ti _{1/2})O ₃ -0.3BiFeO ₃ -0.35BiScO ₃] - xPbTiO ₃ ceramics as a function of temperature. <i>Journal of Electroceramics</i> , 2012 , 28, 95-100	1.5	15
157	Ultrabroadband dielectric spectroscopy and phonons in (Pb _{1-x/2} Lax)(Zr _{0.9} Ti _{0.1})O ₃ . <i>Journal of Applied Physics</i> , 2010 , 108, 104101	2.5	15
156	BISMUTH NIOBATE-BASED GLASS-CERAMICS FOR DIELECTRICALLY LOADED MICROWAVE ANTENNAS. <i>Functional Materials Letters</i> , 2008 , 01, 25-30	1.2	15
155	Space group symmetry of (CaxSr _{1-x})TiO ₃ determined using electron diffraction. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 2401-2408	1.8	15
154	Structure and microwave dielectric properties of BaLa ₄ Ti ₄ O ₁₅ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 7051-7062	1.8	15
153	Early Stages of Crystallization in Canasite-Based Glass Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 3198-3204	3.8	15
152	Kinetic aspects of the formation of seeded lead zirconate titanate thin films. <i>Integrated Ferroelectrics</i> , 2000 , 30, 261-270	0.8	15
151	Effect of Nucleating Agents on the Crystallization of Calcium Phosphate Glasses. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 1934-1944	3.8	15
150	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	7.1	15

- 149 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
- 148 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
- 147 Microstructure Evolution of In Situ Pulsed-Laser Crystallized Pb(Zr_{0.52}Ti_{0.48})O₃ Thin Films. *Journal of the American Ceramic Society*, **2016**, 99, 43-50 3.8 14
- 146 Origin of microcracking in YMnO₃ ceramics. *Scripta Materialia*, **2012**, 66, 288-291 5.6 14
- 145 Designing pseudocubic perovskites with enhanced nanoscale polarization. *Applied Physics Letters*, **2017**, 111, 212902 3.4 14
- 144 Tungsten Bronze-Structured Temperature-Stable Dielectrics. *Journal of the American Ceramic Society*, **2007**, 90, 980-982 3.8 14
- 143 Microwave properties of doped lead pyroniobate. *Journal of the European Ceramic Society*, **2001**, 21, 2659-2662 6 14
- 142 Cold sintering of microwave dielectric ceramics and devices. *Journal of Materials Research*, **2021**, 36, 3333-3349 3.9 14
- 141 Structure and microwave dielectric properties of La_{5-x}Sr_xTi_{4+x}Ga_{1-x}O₁₇ ceramics. *Journal of Materials Science*, **2015**, 50, 3510-3516 4.3 13
- 140 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
- 139 Terahertz and infrared studies of antiferroelectric phase transition in multiferroic Bi_{0.85}Nd_{0.15}FeO₃. *Journal of Applied Physics*, **2011**, 110, 074112 2.5 13
- 138 Phase Transitions in Lanthanum-Doped Strontium Bismuth Tantalate. *Chemistry of Materials*, **2008**, 20, 6427-6433 9.6 13
- 137 A microscopic model for the temperature coefficient of the resonant frequency (τ) in complex perovskites used for microwave filter. *Ferroelectrics*, **1994**, 154, 35-40 0.6 13
- 136 Design of a bilayer ceramic capacitor with low temperature coefficient of capacitance. *Applied Physics Letters*, **2016**, 109, 082904 3.4 13
- 135 Anomalous dielectric behaviour during the monoclinic to tetragonal phase transition in La(Nb_{0.9}V_{0.1})O₄. *Inorganic Chemistry Frontiers*, **2021**, 8, 156-163 6.8 13
- 134 Stoichiometry-dependent local instability in MAPbI₃ perovskite materials and devices. *Journal of Materials Chemistry A*, **2018**, 6, 23578-23586 13 13
- 133 Mixed ionic/electronic conduction in K_{1/2}Bi_{1/2}TiO₃. *Journal of Materials Chemistry C*, **2017**, 5, 6300-6310 7.1 12
- 132 p-Type/n-type behaviour and functional properties of K_xNa_(1-x)NbO₃ (0.49 \leq x \leq 0.51) sintered in air and N₂. *Journal of the European Ceramic Society*, **2018**, 38, 3118-3126 6 12

131	Magnetic color symmetry of lattice rotations in a diamagnetic material. <i>Physical Review Letters</i> , 2008 , 100, 257601	7.4	12
130	Microstructure-Property Relationship in Dielectric Ceramics Containing (Nb, Ti)O ₆ Octahedra. <i>Ferroelectrics</i> , 2004 , 302, 259-263	0.6	12
129	Composite Dielectric Ceramics Based on BaO _{1-x} Nd _{2x/3} TiO ₂ (Ln = Nd, La). <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 3087-3090	1.4	12
128	Transmission electron microscopy of lead scandium tantalate thin-films. <i>Journal of Microscopy</i> , 1990 , 160, 213-224	1.9	12
127	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	6	12
126	Growth of BiFeO thin films by chemical solution deposition: the role of electrodes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 14337-14344	3.6	11
125	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	2.4	11
124	Enhanced tunable and pyroelectric properties of Ba(Ti _{0.85} Sn _{0.15})O ₃ thin films with Bi _{1.5} Zn _{1.0} Nb _{1.5} O ₇ buffer layers. <i>Applied Physics Letters</i> , 2010 , 96, 082901	3.4	11
123	Magnetic, ferroelectric, and dielectric properties of Bi(Sc _{0.5} Fe _{0.5})O ₃ PbTiO ₃ thin films. <i>Journal of Applied Physics</i> , 2009 , 105, 074101	2.5	11
122	Low sintering temperature high permittivity glass ceramic composites for dielectric loaded microwave antennas. <i>Advances in Applied Ceramics</i> , 2011 , 110, 387-393	2.3	11
121	High dielectric tunability in lead niobate pyrochlore films. <i>Applied Physics Letters</i> , 2012 , 100, 082901	3.4	11
120	Effect of Divalent Dopants on Properties of Ba _{3.75} Nd _{9.5} Ti ₁₈ O ₅₄ Microwave Dielectric Resonators. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 453, 495		11
119	Antiferroelectrics: History, fundamentals, crystal chemistry, crystal structures, size effects, and applications. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 3775-3810	3.8	11
118	Comparative environmental profile assessments of commercial and novel material structures for solid oxide fuel cells. <i>Applied Energy</i> , 2019 , 235, 1300-1313	10.7	11
117	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	6	11
116	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	5.7	10
115	Mechanical strain engineering of dielectric tunability in polycrystalline SrTiO ₃ thin films. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2467-2475	7.1	10
114	Layered composite thick films for dielectric applications. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 4319-4326	6	10

113	Thermochemical Reactions Between PZT and Ag/Pd Powders: Relevance to Cofiring of Multilayer Actuators. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1013-1018	3.8	10
112	Temperature Dependence of Microwave and THz Dielectric Response in $\text{Sr}_{n+1}\text{Ti}_n\text{O}_{3n+1}$ ($n = 1-4$). <i>Integrated Ferroelectrics</i> , 2004 , 62, 199-203	0.8	10
111	Properties of the microwave dielectric phase $\text{Ba}_{6-x}\text{Nd}_x\text{Ti}_{18}\text{O}_{54}$. <i>Ferroelectrics</i> , 1999 , 228, 271-282	0.6	10
110	Preparation of Composite Electrospun Membranes Containing Strontium-Substituted Bioactive Glasses for Bone Tissue Regeneration. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 972-981	3.9	10
109	Microwave properties and structure of $\text{La}_{1-x}\text{Bi}_x\text{BO}_3$ glass-ceramics for applications in GHz electronics. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2137-2142	6	9
108	Synthesis and characterization of $\text{Bi}_{1-x}\text{Nd}_x\text{FeO}_3$ thin films deposited using a high throughput physical vapour deposition technique. <i>Thin Solid Films</i> , 2013 , 531, 56-60	2.2	9
107	Guar gum: A novel binder for ceramic extrusion. <i>Ceramics International</i> , 2017 , 43, 16727-16735	5.1	9
106	Structural phase transitions in $\text{AgTa}_{0.5}\text{Nb}_{0.5}\text{O}_3$ thin films. <i>Journal of Applied Physics</i> , 2010 , 107, 123517	2.5	9
105	Microstructural studies and electrical properties of Mg-doped SrTiO_3 thin films. <i>Acta Materialia</i> , 2007 , 55, 4947-4954	8.4	9
104	X-ray diffraction data for the new ferroelectric tetragonal tungsten bronze phases, $\text{Ba}_2\text{RETi}_2\text{M}_3\text{O}_{15}$: $\text{M}=\text{Nb}$ and $\text{RE}=\text{La, Pr, Nd, Sm, Gd, Dy, (Bi)}$; $\text{M}=\text{Ta}$ and $\text{RE}=\text{La, Nd}$. <i>Powder Diffraction</i> , 2005 , 20, 43-46	1.8	9
103	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	6	9
102	Porous hydroxyapatite-bioactive glass hybrid scaffolds fabricated via ceramic honeycomb extrusion. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3541-3556	3.8	8
101	Optimization of magnetocaloric properties of arc-melted and spark plasma-sintered $\text{LaFe}_{11.6}\text{Si}_{1.4}$. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	8
100	In vitro biocompatibility of modified potassium fluorrichterite and potassium fluorrichterite-fluorapatite glass-ceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 2065-70	4.5	8
99	High throughput synthesis and characterization of the $\text{Pb}_{1-x}\text{Nb}_x\text{O}_{5+x}$ ($0.5 \leq x \leq 1$). <i>Acta Materialia</i> , 2011 , 59, 2201822	2.09	8
98	Octahedral tilting, domain structure and piezoelectricity in perovskites and related ceramics. <i>Journal of Electroceramics</i> , 2007 , 19, 3-10	1.5	8
97	Effects of Octahedral Tilting on the Piezoelectric Properties of Sr-Doped Lead Zirconate Titanate. <i>Ferroelectrics</i> , 2002 , 268, 125-130	0.6	8
96	Perovskite NdTiO_3 in Sr- and Ca-doped $\text{BaO}_{1-x}\text{Nd}_x\text{TiO}_3$ Microwave Dielectric Ceramics. <i>Journal of Materials Research</i> , 1999 , 14, 1576-1580	2.5	8

95	The cyan-green luminescent behaviour of nitrided Ba ₉ Y ₂ Si ₆ O ₂₄ : Eu ²⁺ phosphors for W-LED. <i>Ceramics International</i> , 2018 , 44, S2-S6	5.1	8
94	Advances in Cold Sintering : Improving energy consumption and unlocking new potential in component manufacturing. <i>Johnson Matthey Technology Review</i> , 2020 , 64, 219-232	2.5	7
93	Stabilisation of Fe ₂ O ₃ -rich Perovskite Nanophase in Epitaxial Rare-earth Doped BiFeO ₃ Films. <i>Scientific Reports</i> , 2015 , 5, 13066	4.9	7
92	Bi(Me) ₃ O ₃ PbTiO ₃ high TC piezoelectric multilayers. <i>Materials Technology</i> , 2013 , 28, 247-253	2.1	7
91	Chemical solution deposited silver tantalate niobate, Ag x (Ta _{0.5} Nb _{0.5})O ₃ , thin films on (111)Pt/Ti/SiO ₂ /(100)Si substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 42, 407-414	2.3	7
90	The effect of investment materials on the surface of cast fluorcanasite glasses and glass-ceramics. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 839-46	4.5	7
89	Space Group Determination of Ba _{6-3x} Nd _{8+2x} Ti ₁₈ O ₅₄ . <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1336-1338	3.8	7
88	TEM studies of RF magnetron-sputtered thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 1992 , 3, 51-63	2.1	7
87	The Influence of La Doping and Heterogeneity on the Thermoelectric Properties of Sr ₃ Ti ₂ O ₇ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 515-522	3.8	7
86	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	4.3	6
85	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	3.8	6
84	Octahedral tilt transitions in relaxed epitaxial Pb(Zr _{1-x} Ti _x)O ₃ films. <i>Journal of Applied Physics</i> , 2011 , 109, 094104	2.5	6
83	TEM observations of domains in ferroelectric and nonferroelectric perovskites. <i>Ferroelectrics</i> , 1995 , 172, 115-125	0.6	6
82	Microstructural Characterization of Ferroelectric Thin Films in Transverse Section. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 1635-1638	3.8	6
81	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	6.6	6
80	In situ poling X-ray diffraction studies of lead-free BiFeO ₃ /SrTiO ₃ ceramics. <i>Materials Today Physics</i> , 2021 , 19, 100426	8	6
79	Materials matter in phosphorus sustainability. <i>MRS Bulletin</i> , 2020 , 45, 7-10	3.2	5
78	Fabrication of multilayer dielectrically loaded antennas using aqueous electrophoretic deposition of polyether ether ketone. <i>Journal of Materials Science</i> , 2014 , 49, 4121-4126	4.3	5

77	La and Sm Co-doped SrTiO ₃ -PbTiO ₃ Thermoelectric Ceramics. <i>Materials Today: Proceedings</i> , 2017 , 4, 12360-12367	3.6	5
76	Coherently strained epitaxial Pb(Zr _{1-x} Ti _x)O ₃ thin films. <i>Journal of Applied Physics</i> , 2013 , 114, 164104	2.5	5
75	Multiferroic properties of Bi(Fe _{0.5} Sc _{0.5})O ₃ -PbTiO ₃ thin films. <i>Physica Scripta</i> , 2010 , T139, 014003	2.6	5
74	Optimization of synthesis of the solid solution, Pb(Zr _{1-x} Ti _x)O ₃ on a single substrate using a high-throughput modified molecular-beam epitaxy technique. <i>Journal of Materials Research</i> , 2009 , 24, 164-172	2.5	5
73	Tilt transitions in compressively strained AgTa _{0.5} Nb _{0.5} O ₃ thin films. <i>Physical Review B</i> , 2011 , 84,	3.3	5
72	Microwave Dielectric Properties and Microstructures of RETiNbO ₆ (RE=La, Sm and Y). <i>Advanced Materials Research</i> , 2011 , 197-198, 285-289	0.5	5
71	Osteoconductivity of modified fluorcanasite glass-ceramics for bone tissue augmentation and repair. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 760-8	5.4	5
70	Core-shell microstructures in 0.68Pb(Fe _{2/3} W _{1/3})O ₃ -0.32PbTiO ₃ at the morphotropic phase boundary. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 2167-2175	1.8	5
69	Lead titanate glass-ceramics derived from a silicate-based melt. <i>Journal of Materials Research</i> , 2005 , 20, 1316-1323	2.5	5
68	Electron microscopy of lead pyroniobate. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2123-2126	6	5
67	Microstructural evolution during pyrolysis of triol-based sol-gel single-layer Pb(Zr _{0.53} Ti _{0.47})O ₃ thin films. <i>Journal of Materials Research</i> , 2002 , 17, 2066-2074	2.5	5
66	TFC13. Rapid thermal processing of PZT thin films. <i>Ferroelectrics</i> , 1992 , 134, 285-290	0.6	5
65	The observation of a Mo,Fe-rich phase in an oxidized 9 wt% Cr-1 wt% Mo steel that exhibits fivefold symmetry. <i>Philosophical Magazine Letters</i> , 1988 , 57, 247-253	1	5
64	Analytical electron microscopy of oxide/metal interface on some engineering materials. <i>Materials Science and Technology</i> , 1988 , 4, 391-397	1.5	5
63	The effect of substrate clamping on the paraelectric to antiferroelectric phase transition in Nd-doped BiFeO ₃ thin films. <i>Thin Solid Films</i> , 2016 , 616, 767-772	2.2	5
62	Combinatorial synthesis and screening of (Ba,Sr)(Ti,Mn)O ₃ thin films for optimization of tunable co-planar waveguides. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6222-6228	7.1	5
61	Laser sintering of electrophoretically deposited (EPD) Ti ₃ SiC ₂ MAX phase coatings on titanium. <i>Surface and Coatings Technology</i> , 2019 , 366, 199-203	4.4	4
60	Maghemite-like regions at the crossing of two antiphase boundaries in doped BiFeO ₃ . <i>Materials Science and Technology</i> , 2016 , 32, 242-247	1.5	4

59	Synthesis, microstructure and microwave dielectric properties of Ca _{4-x} Mg _x La ₂ Ti ₅ O ₁₇ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 746-752	2.1	4
58	Tuning dielectric properties in ceramics with anisotropic grain structure: The effect of sintering temperature on BaLa ₄ Ti ₄ O ₁₅ . <i>Materials and Design</i> , 2017 , 113, 377-383	8.1	4
57	Phase transitions in Li _x Ag _{1-x} (Nb _{0.5} Ta _{0.5})O ₃ solid solutions. <i>Journal of Applied Physics</i> , 2010 , 108, 064117	7.5	4
56	(111)(p) microtwinning in SrRuO ₃ thin films on (001)(p) LaAlO ₃ . <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 694-8		4
55	BiNbO ₄ -Based Glass-Ceramic Composites for Microwave Applications. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1981-1985	3.8	4
54	Atomic scale structure and chemistry of anti-phase boundaries in (Bi _{0.85} Nd _{0.15})(Fe _{0.9} Ti _{0.1})O ₃ ceramics. <i>Journal of Physics: Conference Series</i> , 2012 , 371, 012036	0.3	4
53	Engineered sintering aids for PbO-based electroceramics. <i>Journal of Electroceramics</i> , 2007 , 18, 77-85	1.5	4
52	Thermal analysis and phase evolution of ferroelectric PbTiO ₃ obtained from silicate and borate based glasses. <i>Journal of Materials Science</i> , 2008 , 43, 1265-1269	4.3	4
51	Crystallization of Gallium Lanthanum Sulfide Glasses. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 1913-1918	3.8	4
50	Correlation of microstructures with electrical performance of Ag-based metal electrode/BZT electroceramic interfaces. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1647-1655	6	4
49	Evaluation of Modified Fluorcanasite Glass-Ceramics for Bone Tissue Augmentation. <i>Key Engineering Materials</i> , 2005 , 284-286, 557-560	0.4	4
48	Novel Fe ₂ O ₃ -Containing Glass Ionomer Cements: Glass Characterisation. <i>Key Engineering Materials</i> , 2005 , 284-286, 799-802	0.4	4
47	Microstructural characterisation of ferroelectric thin films in transverse section. <i>Microelectronic Engineering</i> , 1995 , 29, 277-284	2.5	4
46	Temperature Dependent Piezoelectric Properties of Lead-Free (1-x)K _{0.6} Na _{0.4} NbO ₃ -BiFeO ₃ Ceramics. <i>Frontiers in Materials</i> , 2020 , 7,	4	4
45	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	2.1	3
44	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	6.6	3
43	Piezoelectrics: Influence of a Single Grain Boundary on Domain Wall Motion in Ferroelectrics (Adv. Funct. Mater. 10/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 1408-1408	15.6	3
42	Enhancing Properties in Microwave Ceramics Using a Designer Sintering Aid. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3891-3896	3.8	3

41	The effect of processing conditions on the phase, microstructure and dielectric properties of SrCa ₄ Nb ₄ TiO ₁₇ and Ca ₅ Nb ₄ TiO ₁₇ microwave ceramics. <i>Materials Science-Poland</i> , 2012 , 30, 98-104	0.6	3
40	Ba ₆ -3XNd ₈ +2XTi ₁₈ O ₅₄ Microwave dielectric resonators. <i>Ferroelectrics</i> , 1999 , 223, 293-300	0.6	3
39	Porous Hydroxyapatite Scaffolds Fabricated From Nano-Sized Powder Via Honeycomb Extrusion. <i>Advanced Materials Letters</i> , 2017 , 8, 377-385	2.4	3
38	A Chemical Element Sustainability Index. <i>Resources, Conservation and Recycling</i> , 2021 , 166, 105317	11.9	3
37	The influence of Fe ₂ O ₃ reagent grade purity on the electrical properties of λ -doped λ -LaFeO ₃ ceramics: A cautionary reminder. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 4189-4198	6	3
36	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	5.9	3
35	How to extract reliable core-volume fractions from core-shell polycrystalline microstructures using cross sectional TEM micrographs. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2795-2801	6	2
34	Predicting the energy storage density in poly(methyl methacrylate)/methyl ammonium lead iodide composites. <i>Journal of Applied Physics</i> , 2019 , 125, 214103	2.5	2
33	Piezoelectric reconfigurable antenna 2013 ,		2
32	Unveiling the Role of CNTs in the Phase Formation of One-Dimensional Ferroelectrics. <i>Langmuir</i> , 2015 , 31, 6713-20	4	2
31	Nanorods: Novel Nanorod Precipitate Formation in Neodymium and Titanium Codoped Bismuth Ferrite (Adv. Funct. Mater. 6/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 654-654	15.6	2
30	Structure and Microstructure of Y-doped Strontium Titanate Ceramics. <i>Microscopy and Microanalysis</i> , 2008 , 14, 11-12	0.5	2
29	Castability and Biocompatibility of Novel Fluorcanasite Glass-Ceramics. <i>Key Engineering Materials</i> , 2006 , 309-311, 293-296	0.4	2
28	TEM Characterization of Single- and Multilayer Triol-Based Sol-Gel PZT (53/47) Thin Films. <i>Journal of the American Ceramic Society</i> , 2004 , 87, 221-226	3.8	2
27	Origin of Porosity in Triol Sol-Gel PbZr ₅₃ Ti ₄₇ O ₃ Single Layer Thin Films Deposited on Pt/Ti/SiO ₂ /Si Substrates. <i>Ferroelectrics</i> , 2002 , 271, 353-358	0.6	2
26	Microdomain fluctuations in lead scandium tantalate (PST) observed by high resolution transmission electron microscopy. <i>Ferroelectrics</i> , 1993 , 140, 225-230	0.6	2
25	The Role of Particle Contact in Densification of FLASH Sintered Potassium Sodium Niobate. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 3720-3728	2.3	2
24	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	8.4	2

23	Direct ink writing of bismuth molybdate microwave dielectric ceramics. <i>Ceramics International</i> , 2021 , 47, 7625-7631	5.1	2
22	Tailoring Ferroelectric Properties of 0.37BiScO ₃ 0.63PbTiO ₃ Thin Films Using a Multifunctional LaNiO ₃ Interlayer. <i>Crystal Growth and Design</i> , 2018 , 18, 4037-4044	3.5	2
21	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, 085309	2.5	1
20	Coherent Growth of PbFeO_3 in Ti and Nd Co-doped BiFeO ₃ Thin Films. <i>Materials Research Letters</i> , 2016 , 4, 168-173	7.4	1
19	Linking sintering stresses to nano modification in the microstructure of BaLa ₄ Ti ₄ O ₁₅ by transmission electron microscopy. <i>Materials Characterization</i> , 2018 , 142, 1-8	3.9	1
18	Electronically Beam-steerable Dual-band Reflectarray for Satellite Communications 2019 ,		1
17	Microstructures of alkoxide-derived barium osumilite (BaMg ₂ Al ₆ Si ₉ O ₃₀) glass ceramics. <i>Journal of Sol-Gel Science and Technology</i> , 1997 , 8, 381-384	2.3	1
16	Microstructural Characterization of Thick PZT films on Cu Foils Deposited by Electrophoresis. <i>Microscopy and Microanalysis</i> , 2008 , 14, 23-26	0.5	1
15	Synthesis and Characterization of BaTi _{1-x} GaxO ₃ (0<x<0.15) Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 060427083300029-???	3.8	1
14	Crystallization in 70Ga ₂ S ₃ 30La ₂ S ₃ (mol%) Glasses as a Function of Oxide/Hydroxide Concentration. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 617-622	3.8	1
13	Effect of octahedral tilt transitions on the properties of perovskites and related materials. <i>Ferroelectrics</i> , 1999 , 222, 143-152	0.6	1
12	Origin of improved tunability and loss in N ₂ annealed barium strontium titanate films. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
11	Raman spectroscopy of CaTiO ₃ -based perovskite solid solutions 2004 , 19, 488		1
10	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	6.1	1
9	Microstructure evaluation of titanate based layered perovskites: constrained vs. free sintering. <i>Microscopy and Microanalysis</i> , 2015 , 21, 92-93	0.5	
8	Synthesis of magnetocaloric LaFe _{11.6} Si _{1.4} alloy by spark plasma sintering. <i>Journal of Physics: Conference Series</i> , 2017 , 903, 012041	0.3	
7	Atomic-resolution STEM imaging and EELS-SI of defects in BiFeO ₃ ceramics co-doped with Nd and Ti. <i>Journal of Physics: Conference Series</i> , 2012 , 371, 012034	0.3	
6	Ferroelectric Domain Studies of KNN Single Crystals by Piezo-force and Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2012 , 18, 113-114	0.5	

- 5 Synthesis of the Ferroelectric Solid Solution, $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ on a Single Substrate Using a Modified Molecular Beam Epitaxy Technique. *Materials Research Society Symposia Proceedings*, **2007**, 1034, 134
- 4 HRTEM Study of a New Non-Stoichiometric $\text{BaTiO}_{3-\delta}$ Structure. *Microscopy and Microanalysis*, **2004**, 10, 992-993 0.5
- 3 Origin of Ferroelectricity in Aurivillius Compounds. *Materials Research Society Symposia Proceedings*, **2000**, 658, 1191
- 2 Solution based approaches for the morphology control of BaTiO_3 particulates. *Processing and Application of Ceramics*, **2010**, 4, 115-125 1.4
- 1 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