

A L Kholkin

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509
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#	Paper	IF	Citations
509	Nanoscale ferroelectrics: processing, characterization and future trends. <i>Reports on Progress in Physics</i> , 2006 , 69, 2443-2474	14.4	384
508	Interferometric measurements of electric field-induced displacements in piezoelectric thin films. <i>Review of Scientific Instruments</i> , 1996 , 67, 1935-1941	1.7	341
507	Strong piezoelectricity in bioinspired peptide nanotubes. <i>ACS Nano</i> , 2010 , 4, 610-4	16.7	288
506	Effect of diamagnetic Ca, Sr, Pb, and Ba substitution on the crystal structure and multiferroic properties of the BiFeO ₃ perovskite. <i>Journal of Applied Physics</i> , 2008 , 103, 024105	2.5	278
505	Electromechanical Imaging and Spectroscopy of Ferroelectric and Piezoelectric Materials: State of the Art and Prospects for the Future. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1629-1647	3.8	268
504	Domain structure of 0.8Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.2PbTiO ₃ studied by piezoresponse force microscopy. <i>Physical Review B</i> , 2004 , 69,	3.3	176
503	Piezoresponse Force Microscopy: A Window into Electromechanical Behavior at the Nanoscale. <i>MRS Bulletin</i> , 2009 , 34, 648-657	3.2	172
502	Fabrication and characterization of PZT thin-film vibrators for micromotors. <i>Sensors and Actuators A: Physical</i> , 1995 , 48, 157-165	3.9	164
501	Synthesis and multiferroic properties of Bi _{0.8} A _{0.2} FeO ₃ (A=Ca,Sr,Pb) ceramics. <i>Applied Physics Letters</i> , 2007 , 90, 242901	3.4	157
500	Piezoelectric actuation of PZT thin-film diaphragms at static and resonant conditions. <i>Sensors and Actuators A: Physical</i> , 1996 , 53, 398-404	3.9	153
499	Asymmetric nanoscale switching in ferroelectric thin films by scanning force microscopy. <i>Applied Physics Letters</i> , 2001 , 78, 2751-2753	3.4	152
498	Crystal structure and multiferroic properties of Gd-substituted BiFeO ₃ . <i>Applied Physics Letters</i> , 2008 , 93, 262905	3.4	151
497	Doping strategies for increased performance in BiFeO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1692-1698	2.8	149
496	Self-polarization effect in Pb(Zr,Ti)O ₃ thin films. <i>Integrated Ferroelectrics</i> , 1998 , 22, 525-533	0.8	133
495	Effect of Gd substitution on the crystal structure and multiferroic properties of BiFeO ₃ . <i>Acta Materialia</i> , 2009 , 57, 5137-5145	8.4	128
494	Fatigue of piezoelectric properties in Pb(Zr,Ti)O ₃ films. <i>Applied Physics Letters</i> , 1996 , 68, 2577-2579	3.4	118
493	Control of piezoelectricity in amino acids by supramolecular packing. <i>Nature Materials</i> , 2018 , 17, 180-186	6.7	118

492	Isothermal structural transitions, magnetization and large piezoelectric response in $\text{Bi}_{1-x}\text{La}_x\text{FeO}_3$ perovskites. <i>Physical Review B</i> , 2011 , 83,	3.3	117
491	Characterization of the effective electrostriction coefficients in ferroelectric thin films. <i>Journal of Applied Physics</i> , 2001 , 89, 8066-8073	2.5	116
490	Lead-free piezoelectrics: Current status and perspectives. <i>Journal of Advanced Dielectrics</i> , 2013 , 03, 1330002	0.92	110
489	Thickness effect on the dielectric, ferroelectric, and piezoelectric properties of ferroelectric lead zirconate titanate thin films. <i>Journal of Applied Physics</i> , 2010 , 108, 114106	2.5	109
488	Strong piezoelectricity in single-layer graphene deposited on SiO_2 grating substrates. <i>Nature Communications</i> , 2015 , 6, 7572	17.4	106
487	Surface Domain Structures and Mesoscopic Phase Transition in Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2011 , 21, 1977-1987	15.6	102
486	Nanoscale Ferroelectricity in Crystalline EGlycine. <i>Advanced Functional Materials</i> , 2012 , 22, 2996-3003	15.6	94
485	Structure-microstructure-dielectric tunability relationship in Mn-doped strontium titanate ceramics. <i>Acta Materialia</i> , 2005 , 53, 5061-5069	8.4	94
484	Synthesis and characterization of lead-free $0.5\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3-0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ceramic. <i>Journal of Applied Physics</i> , 2013 , 113, 214107	2.5	91
483	Evolution of nanodomains in $0.9\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3-0.1\text{PbTiO}_3$ single crystals. <i>Journal of Applied Physics</i> , 2007 , 101, 064108	2.5	91
482	Ferroelectric polarization in nanocrystalline hydroxyapatite thin films on silicon. <i>Scientific Reports</i> , 2013 , 3, 2215	4.9	88
481	Nanoscale domains and local piezoelectric hysteresis in $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-4.5\%\text{PbTiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2003 , 83, 4232-4234	3.4	88
480	Dielectric relaxation in Ba-based layered perovskites. <i>Applied Physics Letters</i> , 2001 , 79, 662-664	3.4	87
479	Piezoelectric properties of Ca-modified PbTiO_3 thin films. <i>Applied Physics Letters</i> , 1996 , 69, 3602-3604	3.4	87
478	Electromechanical properties of $\text{SrBi}_2\text{Ta}_2\text{O}_9$ thin films. <i>Applied Physics Letters</i> , 1997 , 71, 2044-2046	3.4	86
477	Anomalous polarization inversion in ferroelectrics via scanning force microscopy. <i>Nanotechnology</i> , 2007 , 18, 095502	3.4	85
476	Effect of Sm substitution on ferroelectric and magnetic properties of BiFeO_3 . <i>Scripta Materialia</i> , 2010 , 62, 238-241	5.6	82
475	Polar behavior in Mn-doped SrTiO_3 ceramics. <i>Applied Physics Letters</i> , 2005 , 86, 172902	3.4	82

474	Domain populations in lead zirconate titanate thin films of different compositions via piezoresponse force microscopy. <i>Nanotechnology</i> , 2005 , 16, 2587-2595	3.4	82
473	Rhombohedral-to-orthorhombic transition and multiferroic properties of Dy-substituted BiFeO ₃ . <i>Journal of Applied Physics</i> , 2010 , 108, 074109	2.5	80
472	Polar nanodomains and local ferroelectric phenomena in relaxor lead lanthanum zirconate titanate ceramics. <i>Applied Physics Letters</i> , 2005 , 86, 202907	3.4	80
471	Relaxor properties of Ba-based layered perovskites. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1303-1306	6	80
470	Effect of external stress on ferroelectricity in epitaxial thin films. <i>Physical Review B</i> , 2002 , 66,	3.3	79
469	Intrinsic nature of the magnetization enhancement in heterovalently doped Bi _{1-x} A _x FeO ₃ (A= Ca, Sr, Pb, Ba) multiferroics. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 102003	3	77
468	Mesoscale Domains and Nature of the Relaxor State by Piezoresponse Force Microscopy. <i>Annual Review of Materials Research</i> , 2013 , 43, 423-449	12.8	76
467	Temperature-driven phase transformation in self-assembled diphenylalanine peptide nanotubes. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 462001	3	74
466	Weak ferromagnetism in diamagnetically-doped Bi _{1-x} A _x FeO ₃ (A = Ca, Sr, Pb, Ba) multiferroics. <i>Materials Letters</i> , 2008 , 62, 1927-1929	3.3	74
465	Broad-band dielectric spectroscopy analysis of relaxational dynamics in Mn-doped SrTiO ₃ ceramics. <i>Physical Review B</i> , 2006 , 73,	3.3	72
464	Dynamics of ferroelectric nanodomains in BaTiO ₃ epitaxial thin films via piezoresponse force microscopy. <i>Nanotechnology</i> , 2008 , 19, 375703	3.4	71
463	Room temperature surface piezoelectricity in SrTiO ₃ ceramics via piezoresponse force microscopy. <i>Applied Physics Letters</i> , 2008 , 93, 222905	3.4	66
462	Stress-induced suppression of piezoelectric properties in PbTiO ₃ :La thin films via scanning force microscopy. <i>Applied Physics Letters</i> , 2003 , 82, 2127-2129	3.4	66
461	Fatigued state of the Pt-PZT-Pt system. <i>Integrated Ferroelectrics</i> , 1997 , 18, 19-28	0.8	64
460	Dependence of dielectric properties of manganese-doped strontium titanate ceramics on sintering atmosphere. <i>Acta Materialia</i> , 2006 , 54, 5385-5391	8.4	64
459	Review of Ferroelectric Domain Imaging by Piezoresponse Force Microscopy 2007 , 173-214		64
458	Structural, morphological and piezoresponse studies of Pr and Sc co-substituted BiFeO ₃ ceramics. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 055302	3	63
457	Transient photocurrents in lead zirconate titanate thin films. <i>Applied Physics Letters</i> , 1998 , 72, 130-132	3.4	63

456	Hybrid organic-inorganic perovskites: Polar properties and applications. <i>Coordination Chemistry Reviews</i> , 2019 , 387, 398-414	23.2	60
455	Relaxation of induced polar state in relaxor $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ thin films studied by piezoresponse force microscopy. <i>Applied Physics Letters</i> , 2005 , 86, 222907	3.4	60
454	Molecular modeling of the piezoelectric effect in the ferroelectric polymer poly(vinylidene fluoride) (PVDF). <i>Journal of Molecular Modeling</i> , 2013 , 19, 3591-602	2	59
453	Enhanced Piezoelectric Properties of Praseodymium-Modified Lead-Free $(\text{Ba}_{0.85}\text{Ca}_{0.15})(\text{Ti}_{0.90}\text{Zr}_{0.10})\text{O}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3127-3135	3.8	59
452	Local hysteresis and grain size effect in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3/\text{PbTiO}_3$ thin films. <i>Applied Physics Letters</i> , 2002 , 81, 117-119	3.4	59
451	Terahertz emission from tubular $\text{pB}(\text{Zr,Ti})\text{O}_3$ nanostructures. <i>Nano Letters</i> , 2008 , 8, 4404-9	11.5	57
450	Nonlinear local piezoelectric deformation in ferroelectric thin films studied by scanning force microscopy. <i>Journal of Applied Physics</i> , 2005 , 97, 104105	2.5	57
449	Piezoelectric properties of diphenylalanine microtubes prepared from the solution. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 93, 68-72	3.9	55
448	Piezoelectricity in Poled Hydroxyapatite Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2867-2872	3.8	55
447	Ferroelectric and ferromagnetic properties of Gd-doped $\text{BiFeO}_3/\text{BaTiO}_3$ solid solution. <i>Materials Chemistry and Physics</i> , 2010 , 119, 539-545	4.4	53
446	Evidence of ferroelectricity and phase transition in pressed diphenylalanine peptide nanotubes. <i>Applied Physics Letters</i> , 2012 , 100, 043702	3.4	52
445	Preparation, structures, and multiferroic properties of single-phase BiFeO_3 , $\text{R}=\text{La}$ and Er ceramics. <i>Current Applied Physics</i> , 2011 , 11, 508-512	2.6	51
444	Electromagnetic energy harvesting using magnetic levitation architectures: A review. <i>Applied Energy</i> , 2020 , 260, 114191	10.7	51
443	Symmetry breaking and electrical frustration during tip-induced polarization switching in the nonpolar cut of lithium niobate single crystals. <i>ACS Nano</i> , 2015 , 9, 769-77	16.7	50
442	Graphene-based materials and structures for energy harvesting with fluids: A review. <i>Materials Today</i> , 2018 , 21, 1019-1041	21.8	50
441	Evolution of crystal structure and ferroic properties of La-doped BiFeO_3 ceramics near the rhombohedral-orthorhombic phase boundary. <i>Journal of Alloys and Compounds</i> , 2013 , 555, 101-107	5.7	50
440	Dual strain mechanisms in a lead-free morphotropic phase boundary ferroelectric. <i>Scientific Reports</i> , 2016 , 6, 19630	4.9	49
439	Local piezoelectric activity of single poly(L-lactic acid) (PLLA) microfibers. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 51-55	2.6	48

438	Li transport in fresh and aged LiMn ₂ O ₄ cathodes via electrochemical strain microscopy. <i>Journal of Applied Physics</i> , 2015 , 118, 072016	2.5	46
437	Local bias-induced phase transitions. <i>Materials Today</i> , 2008 , 11, 16-27	21.8	46
436	A comparative study of structural and electrical properties in lead-free BCZT ceramics: Influence of the synthesis method. <i>Acta Materialia</i> , 2018 , 155, 331-342	8.4	46
435	Dielectric measurements on a novel Ba _{1-x} Ca _x TiO ₃ (BCT) bulk ceramic combinatorial library. <i>Journal of Electroceramics</i> , 2009 , 22, 245-251	1.5	45
434	Ferroelectric and dielectric anisotropy in high-quality SrBi ₂ Ta ₂ O ₉ single crystals. <i>Applied Physics Letters</i> , 2004 , 85, 5667-5669	3.4	45
433	Characterisation of the fatigued state of ferroelectric PZT thin-film capacitors. <i>Microelectronic Engineering</i> , 1995 , 29, 145-148	2.5	45
432	Nanoscale Piezoelectric Properties of Self-Assembled Fmoc-FF Peptide Fibrous Networks. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12702-7	9.5	44
431	Nanoscale characterization of polycrystalline ferroelectric materials for piezoelectric applications. <i>Journal of Electroceramics</i> , 2007 , 19, 83-96	1.5	44
430	Effect of nonstoichiometry on the microstructure and dielectric properties of strontium titanate ceramics. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2769-2772	6	44
429	Electromechanical properties of sol-gel derived Ca-modified PbTiO ₃ films. <i>Applied Physics Letters</i> , 1998 , 72, 3374-3376	3.4	44
428	Local piezoelectric properties of ZnO thin films prepared by RF-plasma-assisted pulsed-laser deposition method. <i>Nanotechnology</i> , 2010 , 21, 235703	3.4	43
427	Real space mapping of polarization dynamics and hysteresis loop formation in relaxor-ferroelectric PbMg _{1/3} Nb _{2/3} O ₃ BbTiO ₃ solid solutions. <i>Journal of Applied Physics</i> , 2010 , 108, 042006	2.5	43
426	Pb(Zr,Ti)O ₃ thin films on zirconium membranes for micromechanical applications. <i>Applied Physics Letters</i> , 1996 , 68, 776-778	3.4	43
425	Piezoelectricity and ferroelectricity in biomaterials: Molecular modeling and piezoresponse force microscopy measurements. <i>Journal of Applied Physics</i> , 2014 , 116, 066803	2.5	42
424	Electromechanics on the Nanometer Scale: Emerging Phenomena, Devices, and Applications. <i>MRS Bulletin</i> , 2009 , 34, 634-642	3.2	41
423	Preparation and characterisation of Pb(Fe _{1/2} Ta _{1/2})O ₃ relaxor ferroelectric. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 2029-2034	6	41
422	Fatigue-induced evolution of domain structure in ferroelectric lead zirconate titanate ceramics investigated by piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2005 , 98, 094109	2.5	40
421	High-displacement spiral piezoelectric actuators. <i>Applied Physics Letters</i> , 1999 , 75, 2488-2490	3.4	40

4 ²⁰	Photoresponsive Organic-Inorganic Hybrid Ferroelectric Designed at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16990-16998	16.4	40
4 ¹⁹	Flexible nanofilms coated with aligned piezoelectric microfibers preserve the contractility of cardiomyocytes. <i>Biomaterials</i> , 2017 , 139, 213-228	15.6	39
4 ¹⁸	Structural, ferroelectric and magnetic properties of Bi _{0.85} Sm _{0.15} FeO ₃ perovskite. <i>Crystal Research and Technology</i> , 2011 , 46, 238-242	1.3	39
4 ¹⁷	Non-linear piezoelectric response in lead zirconate-titanate (PZT) films. <i>Ferroelectrics</i> , 2000 , 238, 235-243	3.6	39
4 ¹⁶	Pyroelectric effect and polarization instability in self-assembled diphenylalanine microtubes. <i>Applied Physics Letters</i> , 2016 , 109, 142902	3.4	39
4 ¹⁵	Local piezoelectric response of single poly(vinylidene fluoride) electrospun fibers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 2605-2609	1.6	38
4 ¹⁴	Piezoelectricity and Ferroelectricity in Biomaterials: From Proteins to Self-assembled Peptide Nanotubes. <i>Nanomedicine and Nanotoxicology</i> , 2012 , 187-211	0.3	38
4 ¹³	Local probing of magnetoelectric coupling in multiferroic composites of BaFe ₁₂ O ₁₉ /BaTiO ₃ . <i>Journal of Applied Physics</i> , 2010 , 108, 042012	2.5	38
4 ¹²	Atomic-scale observation of rotational misorientation in suspended few-layer graphene sheets. <i>Nanoscale</i> , 2010 , 2, 700-8	7.7	38
4 ¹¹	Crystal structure and magnetic properties of Bi _{0.8} (Gd _{1-x} Bax) _{0.2} FeO ₃ (x= 0, 0.5, 1) multiferroics. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 045418	3	38
4 ¹⁰	Piezoelectricity and Crystal Symmetry 2008 , 17-38		38
4 ⁰⁹	Effect of Zr/Ti ratio on the microstructure and ferroelectric properties of lead zirconate titanate thin films. <i>Materials Chemistry and Physics</i> , 2007 , 102, 159-164	4.4	38
4 ⁰⁸	Effect of Mg doping on the structural and dielectric properties of strontium titanate ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2004 , 79, 2013-2020	2.6	37
4 ⁰⁷	Enhanced ferroelectric, magnetic and magnetoelectric properties of Bi _{1-x} CaxFe _{1-x} TixO ₃ solid solutions. <i>Solid State Communications</i> , 2011 , 151, 536-540	1.6	36
4 ⁰⁶	Piezoelectric and dielectric aging in pb(zr,ti)o ₃ thin films and bulk ceramics. <i>Integrated Ferroelectrics</i> , 1997 , 15, 317-324	0.8	36
4 ⁰⁵	BioFerroelectricity: Diphenylalanine Peptide Nanotubes Computational Modeling and Ferroelectric Properties at the Nanoscale. <i>Ferroelectrics</i> , 2012 , 440, 3-24	0.6	35
4 ⁰⁴	Nanoscale piezoresponse and magnetic studies of multiferroic Co and Pr co-substituted BFO thin films. <i>Materials Research Bulletin</i> , 2012 , 47, 4240-4245	5.1	35
4 ⁰³	Nanoscale polarization patterning of ferroelectric LangmuirBlodgett P(VDF-TrFE) films. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 4571-4577	3	35

402	On the origin of the great rigidity of self-assembled diphenylalanine nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29681-29685	3.6	34
401	Piezoelectric resonators based on self-assembled diphenylalanine microtubes. <i>Applied Physics Letters</i> , 2013 , 102, 073504	3.4	34
400	First principle calculations of molecular polarization switching in P(VDF/TrFE) ferroelectric thin Langmuir-Blodgett films. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 456210	1.8	34
399	Nanoscale electromechanical properties of CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 052019	2.5	33
398	Photoinduced poling of lead titanate zirconate thin films. <i>Applied Physics Letters</i> , 1997 , 71, 2854-2856	3.4	33
397	Lattice dynamics and dielectric response of Mg-doped SrTiO ₃ ceramics in a wide frequency range. <i>Journal of Applied Physics</i> , 2005 , 97, 044104	2.5	33
396	Interferometric study of piezoelectric degradation in ferroelectric thin films. <i>Microelectronic Engineering</i> , 1995 , 29, 261-264	2.5	33
395	Conformational dynamics and aggregation behavior of piezoelectric diphenylalanine peptides in an external electric field. <i>Biophysical Chemistry</i> , 2015 , 196, 16-24	3.5	32
394	Natural and Eco-Friendly Materials for Triboelectric Energy Harvesting. <i>Nano-Micro Letters</i> , 2020 , 12, 42	19.5	32
393	Growth and Nonlinear Optical Properties of Glycine Crystals Grown on Pt Substrates. <i>Crystal Growth and Design</i> , 2014 , 14, 2831-2837	3.5	32
392	Polarization switching and patterning in self-assembled peptide tubular structures. <i>Journal of Applied Physics</i> , 2012 , 111, 074104	2.5	32
391	Characterization of PZT thin films for micromotors. <i>Microelectronic Engineering</i> , 1995 , 29, 67-70	2.5	32
390	Grain size effect and local disorder in polycrystalline relaxors via scanning probe microscopy. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 7109-7112	3	32
389	Dielectric relaxation and charged domain walls in (K,Na)NbO ₃ -based ferroelectric ceramics. <i>Journal of Applied Physics</i> , 2017 , 121, 074101	2.5	31
388	The effect of phase assemblages, grain boundaries and domain structure on the local switching behavior of rare-earth modified bismuth ferrite ceramics. <i>Acta Materialia</i> , 2017 , 125, 265-273	8.4	31
387	Low-temperature photoluminescence in self-assembled diphenylalanine microtubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 1658-1662	2.3	31
386	Quasi-one-dimensional domain walls in ferroelectric ceramics: Evidence from domain dynamics and wall roughness measurements. <i>Journal of Applied Physics</i> , 2011 , 110, 052001	2.5	31
385	Locally induced charged states in La _{0.89} Sr _{0.11} MnO ₃ single crystals. <i>Applied Physics Letters</i> , 2009 , 94, 222901	3.4	31

384	Manufacture and measurement of combinatorial libraries of dielectric ceramics: Part II. Dielectric measurements of Ba _{1-x} Sr _x TiO ₃ libraries. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 4437-4443	6	31
383	Broad-band dielectric spectroscopy of SrTiO ₃ :Bi ceramics. <i>Physical Review B</i> , 2004 , 69,	3.3	31
382	Investigation of fatigue mechanism in ferroelectric ceramic via piezoresponse force microscopy. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2559-2561	6	31
381	Magnetolectric metglas/bidomain y + 140°-cut lithium niobate composite for sensing FT magnetic fields. <i>Applied Physics Letters</i> , 2018 , 112, 262906	3.4	31
380	Magnetization reversal behavior and magnetocaloric effect in SmCr _{0.85} Mn _{0.15} O ₃ chromites. <i>Journal of Applied Physics</i> , 2017 , 121, 043907	2.5	30
379	Synthesis and characterization of reduced graphene oxide/spiky nickel nanocomposite for nanoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11516-11523	7.1	30
378	Ferroelectric domain structure of PbZr _{0.35} Ti _{0.65} O ₃ single crystals by piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2011 , 110, 052003	2.5	30
377	Evolution of the Polar Structure in Relaxor Ferroelectrics Close to the Curie Temperature Studied by Piezoresponse Force Microscopy. <i>Ferroelectrics</i> , 2008 , 373, 77-85	0.6	30
376	Surface wettability modification of poly(vinylidene fluoride) and copolymer films and membranes by plasma treatment. <i>Polymer</i> , 2019 , 169, 138-147	3.9	30
375	Defect chemistry and relaxation processes: effect of an amphoteric substituent in lead-free BCZT ceramics. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31184-31201	3.6	29
374	Local manifestations of a static magnetolectric effect in nanostructured BaTiO ₃ -BaFe ₁₂ O ₉ composite multiferroics. <i>Nanoscale</i> , 2015 , 7, 4489-96	7.7	29
373	Investigation of dielectric and electrical properties of Mn doped sodium potassium niobate ceramic system using impedance spectroscopy. <i>Journal of Applied Physics</i> , 2011 , 110, 104102	2.5	29
372	Direct effect of illumination on ferroelectric properties of lead zirconate titanate thin films. <i>Applied Physics Letters</i> , 2001 , 79, 2055-2057	3.4	29
371	Electromechanical and magnetic properties of BiFeO ₃ -LaFeO ₃ -CaTiO ₃ ceramics near the rhombohedral-orthorhombic phase boundary. <i>Journal of Applied Physics</i> , 2013 , 113, 187218	2.5	28
370	Impedance spectroscopy and piezoresponse force microscopy analysis of lead-free (1-x) K _{0.5} Na _{0.5} NbO ₃ -xLiNbO ₃ ceramics. <i>Current Applied Physics</i> , 2013 , 13, 430-440	2.6	28
369	Structural stability and magnetic properties of Bi _{1-x} La(Pr) _x FeO ₃ solid solutions. <i>Solid State Communications</i> , 2011 , 151, 1686-1689	1.6	28
368	Intermediate structural phases in rare-earth substituted BiFeO ₃ . <i>Materials Research Bulletin</i> , 2010 , 45, 416-419	5.1	28
367	Nonlinear dc electric-field dependence of the dielectric permittivity and cluster polarization of Sr _{1-x} MnxTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2007 , 101, 084110	2.5	28

366	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
365	Roughness in GaN/InGaN films and multilayers determined with Rutherford backscattering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 217, 479-497	1.2	28
364	Wettability gradient-induced alignment of peptide nanotubes as templates for biosensing applications. <i>RSC Advances</i> , 2016 , 6, 41809-41815	3.7	28
363	Raman study of structural transformations in self-assembled diphenylalanine nanotubes at elevated temperatures. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 1401-1405	2.3	27
362	Ferroelectric Domain Structure and Local Piezoelectric Properties of Lead-Free (KNa)NbO ₃ and BiFeO ₃ -Based Piezoelectric Ceramics. <i>Materials</i> , 2017 , 10,	3.5	27
361	Study of Ni ₂ MnGa phase formation by magnetron sputtering film deposition at low temperature onto Si substrates and LaNiO ₃ Bb(Ti,Zr)O ₃ buffer. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2010 , 28, 6-10	2.9	27
360	Peculiarities of the Crystal Structure Evolution of BiFeO ₃ -BaTiO ₃ Ceramics across Structural Phase Transitions. <i>Nanomaterials</i> , 2020 , 10,	5.4	26
359	Evaporation-Driven Crystallization of Diphenylalanine Microtubes for Microelectronic Applications. <i>Crystal Growth and Design</i> , 2016 , 16, 1472-1479	3.5	26
358	Li distribution in graphite anodes: A Kelvin Probe Force Microscopy approach. <i>Journal of Power Sources</i> , 2014 , 268, 887-894	8.9	26
357	Formation and relaxation mechanisms of the self-polarization in thin ferroelectric films. <i>Physics of the Solid State</i> , 2006 , 48, 1214-1218	0.8	26
356	High-quality PbZr _{0.52} Ti _{0.48} O ₃ films prepared by modified sol-gel route at low temperature. <i>Thin Solid Films</i> , 2004 , 449, 20-24	2.2	26
355	Effect of ferroelectric polarization on current response of PZT thin films. <i>Integrated Ferroelectrics</i> , 1995 , 10, 189-204	0.8	26
354	Nanoindentation induced piezoelectricity in SrTiO ₃ single crystals. <i>Scripta Materialia</i> , 2014 , 74, 76-79	5.6	25
353	Phase coexistence in Bi _{1-x} Pr _x FeO ₃ ceramics. <i>Journal of Materials Science</i> , 2014 , 49, 6937-6943	4.3	25
352	Improved magnetic and piezoresponse behavior of cobalt substituted BiFeO ₃ thin film. <i>Thin Solid Films</i> , 2012 , 520, 6493-6498	2.2	25
351	Thickness dependence of structure and piezoelectric properties at nanoscale of polycrystalline lead zirconate titanate thin films. <i>Journal of Applied Physics</i> , 2013 , 113, 187206	2.5	25
350	Multiferroic properties of BiFeO ₃ doped Bi(MgTi) _{0.3} BbTiO ₃ ceramic system. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 815-819	5.7	25
349	Ferroelectric-to-relaxor transition behaviour of BaTiO ₃ ceramics doped with La(Mg _{1/2} Ti _{1/2})O ₃ . <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 2785-2794	1.8	25

348	Evolution of bias field and offset piezoelectric coefficient in bulk lead zirconate titanate with fatigue. <i>Applied Physics Letters</i> , 2005 , 86, 012910	3.4	25
347	Chirality-Dependent Growth of Self-Assembled Diphenylalanine Microtubes. <i>Crystal Growth and Design</i> , 2019 , 19, 6414-6421	3.5	24
346	Electrochemical strain microscopy time spectroscopy: Model and experiment on LiMn ₂ O ₄ . <i>Journal of Applied Physics</i> , 2015 , 118, 055101	2.5	24
345	Computational and experimental studies of size and shape related physical properties of hydroxyapatite nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 065302	1.8	24
344	Thermodynamic theory of strain-mediated direct magnetoelectric effect in multiferroic film-substrate hybrids. <i>Nanotechnology</i> , 2010 , 21, 265701	3.4	24
343	PZT films for micro-pumps. <i>Integrated Ferroelectrics</i> , 1995 , 8, 13-23	0.8	24
342	The direct piezoelectric effect in the globular protein lysozyme. <i>Applied Physics Letters</i> , 2017 , 111, 142902	3.4	23
341	Subsurface nanodomains with in-plane polarization in uniaxial ferroelectrics via scanning force microscopy. <i>Physical Review B</i> , 2013 , 88,	3.3	23
340	Polarization of poly(vinylidene fluoride) and poly(vinylidene fluoride-trifluoroethylene) thin films revealed by emission spectroscopy with computational simulation during phase transition. <i>Journal of Applied Physics</i> , 2012 , 111, 104113	2.5	23
339	Dynamics of the phase transitions in Bi-layered ferroelectrics with Aurivillius structure: Dielectric response in the terahertz spectral range. <i>Physical Review B</i> , 2006 , 74,	3.3	23
338	A green-emitting CdSe/poly(butyl acrylate) nanocomposite. <i>Nanotechnology</i> , 2005 , 16, 1969-1973	3.4	23
337	Equivalent Magnetic Noise in Magnetoelectric Laminates Comprising Bidomain LiNbO Crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017 , 64, 1102-1119	3.2	22
336	Dielectric investigations of polycrystalline samarium bismuth ferrite ceramic. <i>Applied Physics Letters</i> , 2015 , 106, 012906	3.4	22
335	Diphenylalanine-Based Microribbons for Piezoelectric Applications via Inkjet Printing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10543-10551	9.5	22
334	Low-frequency magnetic sensing by magnetoelectric metglas/bidomain LiNbO ₃ long bars. <i>Journal of Applied Physics</i> , 2018 , 51, 214001	3	22
333	Temperature and Composition-Induced Structural Transitions in Bi _{1-x} La _x (Pr) _x FeO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2631-2638	3.8	22
332	InSitu Observation of the Humidity Controlled Polymorphic Phase Transformation in Glycine Microcrystals. <i>Crystal Growth and Design</i> , 2014 , 14, 4138-4142	3.5	22
331	Investigation of the ferroelectric-relaxor transition in PbMg _{1/3} Nb _{2/3} O ₃ PbTiO ₃ ceramics by piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2010 , 108, 042007	2.5	22

330	PZT-based piezoelectric composites via a modified sol-gel route. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1535-1538	6	22
329	Relaxor Behavior of BaBi ₂ Ta ₂ O ₉ and BaBi ₂ Nb ₂ O ₉ Ceramics. <i>Ferroelectrics</i> , 2003 , 296, 187-197	0.6	22
328	Nanoplasmonic response of porous Au-TiO thin films prepared by oblique angle deposition. <i>Nanotechnology</i> , 2019 , 30, 225701	3.4	22
327	Quantitative characterization of the ionic mobility and concentration in Li-battery cathodes via low frequency electrochemical strain microscopy. <i>Nanoscale</i> , 2018 , 10, 2503-2511	7.7	22
326	Highly sensitive magnetic field sensor based on a metglas/bidomain lithium niobate composite shaped in form of a tuning fork. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 486, 165209	2.8	21
325	Quantitative phase separation in multiferroic Bi _{0.88} Sm _{0.12} FeO ₃ ceramics via piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2015 , 118, 072004	2.5	21
324	Ferroelectric characterization of aligned barium titanate nanofibres. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 105304	3	21
323	Effect of Gd substitution on ferroelectric and magnetic properties of Bi ₄ Ti ₃ O ₁₂ . <i>Materials Letters</i> , 2010 , 64, 1066-1068	3.3	21
322	Domain dynamics in piezoresponse force spectroscopy: Quantitative deconvolution and hysteresis loop fine structure. <i>Applied Physics Letters</i> , 2008 , 92, 182909	3.4	21
321	Structural and Dielectric Properties of Mn-Doped Strontium Titanate Ceramics. <i>Ferroelectrics</i> , 2004 , 304, 87-90	0.6	21
320	Fabrication and characterization of PZT thin films for micromotors. <i>Integrated Ferroelectrics</i> , 1995 , 11, 213-220	0.8	21
319	Influence of BiFeTaO ₃ addition on the electrical properties of Na _{0.4725} K _{0.4725} Li _{0.055} NbO ₃ ceramics system using impedance spectroscopy. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 203-212	5.7	20
318	Polarization switching kinetics of ferroelectric nanomesas of vinylidene fluoride-trifluoroethylene copolymer. <i>Applied Physics Letters</i> , 2009 , 95, 023303	3.4	20
317	Characterization of LiMn ₂ O ₄ cathodes by electrochemical strain microscopy. <i>Applied Physics Letters</i> , 2016 , 108, 113106	3.4	20
316	Structural, magnetic, magnetocaloric and specific heat investigations on Mn doped PrCrO orthochromites. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 195802	1.8	19
315	Strong sub-resonance magnetoelectric coupling in PZT-NiFe ₂ O ₄ -PZT thin film composite. <i>Nano Structures Nano Objects</i> , 2019 , 18, 100272	5.6	19
314	Doping effects of Li _{1-x} B _x content on the structure and electrical properties of [(Na _{0.5} K _{0.5}) _{1-x} (Li) _x (Sb) _x (Nb) _{1-x} O ₃] lead-free piezoelectric ceramics. <i>Materials Research Bulletin</i> , 2012 , 47, 381-386	5.1	19
313	A Computational Study of the Properties and Surface Interactions of Hydroxyapatite. <i>Ferroelectrics</i> , 2013 , 449, 94-101	0.6	19

312	Mn substitution-modified polar phase in the Bi _{1-x} NdxFeO ₃ multiferroics. <i>Journal of Applied Physics</i> , 2013 , 113, 214112	2.5	19
311	POLAR STRUCTURES OF PbMg _{1/3} Nb _{2/3} O ₃ -PbTiO ₃ RELAXORS: PIEZORESPONSE FORCE MICROSCOPY APPROACH. <i>Journal of Advanced Dielectrics</i> , 2012 , 02, 1241003	1.3	19
310	Dielectric response of PZN-based MPB composition doped with lanthanum. <i>Materials Chemistry and Physics</i> , 2002 , 73, 62-69	4.4	19
309	Texture development and dielectric properties of SrBi ₂ Ta ₂ O ₉ ceramics processed by templated grain growth. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2453-2456	6	19
308	Piezoelectric nonlinearity of Pb(Zr,Ti)O ₃ thin films probed by scanning force microscopy. <i>Applied Physics Letters</i> , 2002 , 81, 3025-3027	3.4	19
307	Domain structures and local switching in lead-free piezoceramics Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ . <i>Journal of Applied Physics</i> , 2015 , 118, 072002	2.5	18
306	Energy harvesting from nanofibers of hybrid organic ferroelectric dabcoHReO ₄ . <i>Applied Physics Letters</i> , 2014 , 104, 032907	3.4	18
305	Dielectric behavior and impedance analysis of lead-free CuO doped (Na _{0.50} K _{0.50}) _{0.95} (Li _{0.05} Sb _{0.05} Nb _{0.95})O ₃ ceramics. <i>Solid State Sciences</i> , 2013 , 17, 46-53	3.4	18
304	Giant Electric-Field-Induced Strain in PVDF-Based Battery Separator Membranes Probed by Electrochemical Strain Microscopy. <i>Langmuir</i> , 2016 , 32, 5267-76	4	18
303	Electromechanical properties of electrostrictive CeO ₂ :Gd membranes: Effects of frequency and temperature. <i>Applied Physics Letters</i> , 2017 , 110, 142902	3.4	17
302	Direct and converse magnetoelectric effects in Metglas/LiNbO ₃ /Metglas trilayers. <i>Journal of Applied Physics</i> , 2013 , 114, 044102	2.5	17
301	The influence of Mn substitution on the local structure of Na _{0.5} Bi _{0.5} TiO ₃ crystals: Increased ferroelectric ordering and coexisting octahedral tilts. <i>Journal of Applied Physics</i> , 2012 , 111, 064109	2.5	17
300	Structure of Nanodomains in Relaxors. <i>AIP Conference Proceedings</i> , 2003 ,	0	17
299	Electromechanical properties of PMN-PT thin films prepared by pulsed laser deposition technique. <i>Integrated Ferroelectrics</i> , 1998 , 22, 515-523	0.8	17
298	Flexible PVDF-BaTiO ₃ Nanocomposites as Potential Materials for Pressure Sensors. <i>Ferroelectrics</i> , 2013 , 447, 9-18	0.6	16
297	Thickness, humidity, and polarization dependent ferroelectric switching and conductivity in Mg doped lithium niobate. <i>Journal of Applied Physics</i> , 2015 , 118, 244103	2.5	16
296	Single- and multi-frequency detection of surface displacements via scanning probe microscopy. <i>Microscopy and Microanalysis</i> , 2015 , 21, 154-63	0.5	16
295	The self-polarization effect in Pb(Zr _{0.50} Ti _{0.50})O ₃ thin films with no preferential orientation. <i>Materials Research Bulletin</i> , 2012 , 47, 3548-3551	5.1	16

294	Morphotropic Phase Boundary in the Pb(Zn _{1/3} Nb _{2/3} O ₃)-BaTiO ₃ -PbTiO ₃ System. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 1740-1744	3.8	16
293	Effect of lanthanum-doping on the dielectric and piezoelectric properties of PZN-based MPB composition. <i>Journal of Materials Science</i> , 2001 , 36, 4089-4098	4.3	16
292	Electromechanical properties and domain-related effects in ferroelectric thin films. <i>Ferroelectrics</i> , 1999 , 221, 219-228	0.6	16
291	Thickness effect on the structure, grain size, and local piezoresponse of self-polarized lead lanthanum zirconate titanate thin films. <i>Journal of Applied Physics</i> , 2016 , 120, 054101	2.5	16
290	Electro-chemomechanical Contribution to Mechanical Actuation in Gd-Doped Ceria Membranes. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801592	4.6	15
289	Piezoresponse force microscopy studies of the triglycine sulfate-based nanofibers. <i>Journal of Applied Physics</i> , 2010 , 108, 042011	2.5	15
288	Mapping Disorder in Polycrystalline Relaxors: A Piezoresponse Force Microscopy Approach. <i>Materials</i> , 2010 , 3, 4860-4870	3.5	15
287	Study of structural and ferromagnetic properties of pure and Cd doped copper ferrite. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 862-868	3.9	15
286	Coexistence of spontaneous ferroelectricity and weak ferromagnetism in Bi _{0.8} Pb _{0.2} FeO _{2.9} perovskite. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 155207	1.8	15
285	Nanoscale Characterization of Ferroelectric Materials for Piezoelectric Applications. <i>Ferroelectrics</i> , 2006 , 341, 3-19	0.6	15
284	Raman spectroscopy, Big data and local heterogeneity of solid state synthesized lithium titanate. <i>Journal of Power Sources</i> , 2017 , 346, 143-150	8.9	14
283	Self-Assembly of Organic Ferroelectrics by Evaporative Dewetting: A Case of Glycine. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20029-20037	9.5	14
282	Low-Frequency Vibration Energy Harvesting With Bidomain LiNbO Single Crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 1480-1487	3.2	14
281	Spontaneous and induced surface piezoresponse in PbMg _{1/3} Nb _{2/3} O ₃ single crystals. <i>Zeitschrift für Kristallographie</i> , 2011 , 226, 108-112		14
280	Properties of Piezoelectric PZT Thin Films for Microactuator Applications. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 360, 429		14
279	Hybrid Triboelectric-Electromagnetic Nanogenerators for Mechanical Energy Harvesting: A Review. <i>Nano-Micro Letters</i> , 2021 , 13, 199	19.5	14
278	Impact of low level praseodymium substitution on the magnetic properties of YCrO ₃ orthochromites. <i>Physica B: Condensed Matter</i> , 2017 , 510, 104-108	2.8	13
277	Thermal and aqueous stability improvement of graphene oxide enhanced diphenylalanine nanocomposites. <i>Science and Technology of Advanced Materials</i> , 2017 , 18, 172-179	7.1	13

276	Anisotropy of the magnetoelectric effect in tri-layered composites based on single-crystalline piezoelectrics. <i>Vacuum</i> , 2015 , 122, 286-292	3.7	13
275	Tip-induced domain structures and polarization switching in ferroelectric amino acid glycine. <i>Journal of Applied Physics</i> , 2015 , 118, 072008	2.5	13
274	Morphology and Piezoelectric Properties of Diphenylalanine Microcrystals Grown from Methanol-Water Solution. <i>Ferroelectrics</i> , 2015 , 475, 127-134	0.6	13
273	High dielectric constant and tunability of strontium titanate ceramics modified by chromium doping. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 415224	1.8	13
272	Processing and phase separation of LSMO-based multiferroic composite ceramics. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 3941-3945	6	13
271	Atomic force microscopy study of ferroelectric films of P(VDF-TrFE) copolymer and composites based on it. <i>Journal of Surface Investigation</i> , 2008 , 2, 692-695	0.5	13
270	Local electromechanical properties of ferroelectric materials for piezoelectric applications. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 838, 205		13
269	Frequency-Dependent Electromechanical Response in Ferroelectric Materials Measured via Piezoresponse Force Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 784, 1131		13
268	Piezoelectric Properties of Self-Polarized Pb(ZrxTi1-x)O3 Thin Films Probed by Scanning Force Microscopy. <i>Integrated Ferroelectrics</i> , 2005 , 69, 103-111	0.8	13
267	An atomic force microscopy mode for nondestructive electromechanical studies and its application to diphenylalanine peptide nanotubes. <i>Ultramicroscopy</i> , 2018 , 185, 49-54	3.1	13
266	Evolution of electromechanical properties of Bi1-xPrxFeO3 solid solutions across the rhombohedral-orthorhombic phase boundary: Role of covalency. <i>Journal of Alloys and Compounds</i> , 2015 , 638, 429-434	5.7	12
265	Magnetoelectric coupling in multiferroic heterostructure of rf-sputtered NiMnGa thin film on PMNBT. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1882-1886	2.8	12
264	Magnetic and structural phase transitions in La0.5Sr0.5CoO(3- δ). <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 316004	1.8	12
263	Enhanced ferroelectric and magnetic properties of perovskite structured Bi1-xGdxLayFe1-yTiyO3 magnetoelectric ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 905-912	3.9	12
262	Ferroelectric-Paraelectric Phase Transition in Triglycine Sulphate via Piezoresponse Force Microscopy. <i>Ferroelectrics</i> , 2012 , 426, 215-222	0.6	12
261	Local domain engineering in relaxor 0.77PbMg1/3Nb2/3O3-0.23PbSc1/2Nb1/2O3 single crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 052002	2.5	12
260	Dielectric and piezoelectric properties of (001)-oriented (1-x)Pb(Mg1/3Nb2/3)O3-xPbTiO3 single crystals with 0.1x0.4. <i>Solid State Communications</i> , 2007 , 143, 188-192	1.6	12
259	Electrical properties of lead zirconate titanate thick films prepared by hybrid sol-gel method with multiple infiltration steps. <i>Materials Chemistry and Physics</i> , 2007 , 101, 280-284	4.4	12

258	Processing and Characterization of $(1-x)(\text{Na}_{1/2}\text{Bi}_{1/2})\text{TiO}_3 - x\text{La}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ Ceramics. <i>Materials Science Forum</i> , 2006 , 514-516, 250-254	0.4	12
257	Electrical properties of $\text{SrBi}_2\text{Ta}_2\text{O}_9$ single crystals grown by self-flux solution. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 1535-1539	6	12
256	YBCO thin films on ferroelectric substrates: the polarization-induced changes of superconductive properties. <i>Superconductor Science and Technology</i> , 1993 , 6, 814-818	3.1	12
255	Improved piezoelectric and energy harvesting characteristics in lead-free Fe_2O_3 modified KNN ceramics. <i>Journal of Electroceramics</i> , 2015 , 34, 255-261	1.5	11
254	Bioferroelectricity in Nanostructured Glycine and Thymine: Molecular Modeling and Ferroelectric Properties at the Nanoscale. <i>Ferroelectrics</i> , 2015 , 475, 107-126	0.6	11
253	Dual Vibration and Magnetic Energy Harvesting With Bidomain LiNbO_3 -Based Composite. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 1219-1229	3.2	11
252	Local bias induced ferroelectricity in manganites with competing charge and orbital order states. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4977-81	3.6	11
251	Influence of Li and La content on phase structures and electrical properties of $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ lead-free piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 575-580	5.7	11
250	Domain growth kinetics in $\text{La}_{0.89}\text{Sr}_{0.11}\text{MnO}_3$ single crystal studied by piezoresponse force microscopy. <i>Journal of Applied Physics</i> , 2012 , 112, 052019	2.5	11
249	Macroscopic and local piezoelectric properties of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystals exhibiting giant piezoelectric response. <i>Journal of Applied Physics</i> , 2013 , 113, 187208	2.5	11
248	Structure and magnetic properties of Cd doped copper ferrite. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7585-7590	5.7	11
247	Investigation of structural, electrical and magnetic properties of $\text{BiFeO}_3\text{Bi}(\text{MgTi})\text{O}_3\text{PbTiO}_3$ ceramic system. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 459-464	5.7	11
246	Functionalization of atomic force microscope tips by dielectrophoretic assembly of $\text{Gd}_2\text{O}_3\text{:Eu}^{3+}$ nanorods. <i>Nanotechnology</i> , 2008 , 19, 295702	3.4	11
245	Dielectric Properties of Relaxor Ceramics BBN. <i>Ferroelectrics</i> , 2007 , 353, 149-153	0.6	11
244	Fiber-optic based method for the measurements of electric-field induced displacements in ferroelectric materials. <i>Review of Scientific Instruments</i> , 2005 , 76, 085101	1.7	11
243	Photoelectric evaluation of polarization and internal field in PZT thin films. <i>Integrated Ferroelectrics</i> , 2001 , 35, 261-268	0.8	11
242	Investigation of physical properties of diphenylalanine peptide nanotubes having different chiralities and embedded water molecules. <i>Ferroelectrics</i> , 2018 , 525, 168-177	0.6	10
241	Intercrystalline distal-effect on the afterglow phenomenon in photoluminescent $\text{SrAl}_2\text{O}_4\text{:Ce}^{III}$, Ln nanotube growth. <i>Nanotechnology</i> , 2010 , 21, 325707	3.4	10

240	Lattice dynamics study of high-quality strontium bismuth tantalate single crystals. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 7605-7612	1.8	10
239	Layer-by-Layer Deposition of Organically Capped Quantum Dots. <i>Materials Science Forum</i> , 2006 , 514-516, 1111-1115	0.4	10
238	Local Electromechanical Properties of PbMg _{1/3} Nb _{2/3} O ₃ Thin Films Studied by Piezoelectric Force Microscopy. <i>Ferroelectrics</i> , 2004 , 302, 323-326	0.6	10
237	Thick piezoelectric coatings via modified sol-gel technique. <i>Integrated Ferroelectrics</i> , 2000 , 30, 245-252	0.8	10
236	Electromechanical properties of ferroelectric films for MEMS. <i>Ferroelectrics</i> , 2001 , 258, 209-220	0.6	10
235	DC-voltage and cycling induced recovery of switched polarisation in fatigued ferroelectric thin films. <i>Integrated Ferroelectrics</i> , 1995 , 10, 289-294	0.8	10
234	Synthesis and physical properties of Ca- and Ta-modified (K,Na)NbO ₃ lead-free piezoelectric ceramics. <i>Phase Transitions</i> , 2013 , 86, 1130-1140	1.3	9
233	Synthesis and characterization of Bi _{1-x} Nd _x 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
232	Piezoelectric poly(lactide) stereocomplexes with a cholinium organic ionic plastic crystal. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12134-12142	7.1	9
231	Interface and thickness dependent domain switching and stability in Mg doped lithium niobate. <i>Journal of Applied Physics</i> , 2015 , 118, 224101	2.5	9
230	Synthesis and structural characterization of highly <100>-oriented {100}-faceted nanocrystalline diamond films by microwave plasma chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2009 , 311, 2258-2264	1.6	9
229	Enhanced piezoelectric and magnetic properties of Bi _{1-x} CaxFe _{1-x/2} Nbx/2O ₃ solid solutions. <i>Journal of Applied Physics</i> , 2011 , 109, 114102	2.5	9
228	On the charge transport mechanisms in high-resistive SrTiO ₃ crystals. <i>Ferroelectrics</i> , 1988 , 83, 135-139	0.6	9
227	Magnetolectric effect: principles and applications in biology and medicine- a review. <i>Materials Today Bio</i> , 2021 , 12, 100149	9.9	9
226	Probing ferroelectric behaviour in charge-transfer organic meta-nitroaniline. <i>Applied Physics Letters</i> , 2016 , 109, 162903	3.4	9
225	Domain wall orientation and domain shape in KTiOPO ₄ crystals. <i>Applied Physics Letters</i> , 2016 , 109, 132901	3.4	9
224	Enhanced piezoresponse and surface electric potential of hybrid biodegradable polyhydroxybutyrate scaffolds functionalized with reduced graphene oxide for tissue engineering. <i>Nano Energy</i> , 2021 , 89, 106473	17.1	9
223	Correlative Confocal Raman and Scanning Probe Microscopy in the Ionically Active Particles of LiMnO Cathodes. <i>Materials</i> , 2019 , 12,	3.5	8

222	Local switching in SBN:Ni single crystals with various initial domain states. <i>Ferroelectrics</i> , 2018 , 525, 100-107	8	8
221	Structure and piezoelectric properties of Sm-doped BiFeO ₃ ceramics near the morphotropic phase boundary. <i>Materials Research Bulletin</i> , 2019 , 112, 420-425	5.1	8
220	Piezoelectric response and electrical properties of Pb(Zr _{1-x} Ti _x)O ₃ thin films: The role of imprint and composition. <i>Journal of Applied Physics</i> , 2017 , 122, 164104	2.5	8
219	Local piezoresponse and polarization switching in nucleobase thymine microcrystals. <i>Journal of Applied Physics</i> , 2015 , 118, 072007	2.5	8
218	Structural depth profile and nanoscale piezoelectric properties of randomly oriented Pb(Zr _{0.50} Ti _{0.50})O ₃ thin films. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 215304	3	8
217	Femtosecond Infrared Laser Annealing of PZT Films on a Metal Substrate. <i>Ferroelectrics</i> , 2012 , 433, 164-169	8	8
216	Determination of Refractive Index Contrast and Surface Contraction in Waveguide Channels Using Multiobjective Genetic Algorithm Applied to Spectroscopic Ellipsometry. <i>Journal of Lightwave Technology</i> , 2011 , 29, 2971-2978	4	8
215	MOLECULAR MODEL OF POLARIZATION SWITCHING AND NANOSCALE PHYSICAL PROPERTIES OF THIN FERROELECTRIC LANGMUIR-BLODGETT P(VDF-TrFE) FILMS. <i>Integrated Ferroelectrics</i> , 2008 , 99, 31-40	0.8	8
214	Low Temperature Preparation of Ferroelectric Relaxor Composite Thick Films. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1029-1037	3.8	8
213	Microstructure and ferroelectric properties of sol-gel graded PZT (40/52/60) and (60/52/40) thin films. <i>Ceramics International</i> , 2008 , 34, 1027-1030	5.1	8
212	Raman scattering in sol-gel derived PbTiO ₃ films modified with Ca. <i>Materials Chemistry and Physics</i> , 2004 , 85, 176-179	4.4	8
211	Ferroelectricity of Pb(Zn _{1/3} Nb _{2/3})O ₃ -BaTiO ₃ -PbTiO ₃ ceramics in the vicinity of morphotropic phase boundary. <i>Journal of Materials Science</i> , 2001 , 36, 3447-3451	4.3	8
210	Optical fibers with patterned ZnO/electrode coatings for flexural actuators. <i>Sensors and Actuators A: Physical</i> , 1999 , 73, 267-274	3.9	8
209	Magnetolectric Effect in the Bidomain Lithium Niobate/Nickel/Metglas Gradient Structure. <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 1900398	1.3	8
208	Characterization of domain structure and domain wall kinetics in lead-free Sr ²⁺ doped K _{0.5} Na _{0.5} NbO ₃ piezoelectric ceramics by piezoresponse force microscopy. <i>Ferroelectrics</i> , 2017 , 508, 77-86	0.6	7
207	Local Study of Lithiation and Degradation Paths in LiMn ₂ O ₄ Battery Cathodes: Confocal Raman Microscopy Approach. <i>Batteries</i> , 2018 , 4, 21	5.7	7
206	Sol-gel reaction stability studied: Influence in the formation temperature and properties of ferroelectric thin films. <i>Materials Research Bulletin</i> , 2009 , 44, 515-521	5.1	7
205	Study of polar relaxation processes in Sr(1-x)LaxTiO ₃ ceramics by using field-induced thermally stimulated currents. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 3701-3703	6	7

204	Ferroelectric domains and twinning in high-quality SrBi ₂ Ta ₂ O ₉ single crystals. <i>Applied Physics Letters</i> , 2006 , 88, 062903	3.4	7
203	Out-of-substrate plane orientation control of thin YBa ₂ Cu ₃ O _x films on NdGaO ₃ tilted-axes substrates. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 434, 105-114	1.3	7
202	Effect of tungsten doping on the dielectric response of PZN/PTBT ceramics with the morphotropic phase boundary composition. <i>Journal of the European Ceramic Society</i> , 2002 , 22, 375-381	6	7
201	Low-temperature Na ₄ Ti ₅ O ₁₂ from X-ray and neutron powder diffraction data. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000 , 56, e539-e540		7
200	Seeding effect on micro- and domain structure of sol-gel-derived PZT thin films. <i>Materials Letters</i> , 2001 , 50, 219-224	3.3	7
199	2D Layered Dipeptide Crystals for Piezoelectric Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2102524	15.6	7
198	Domain Diversity and Polarization Switching in Amino Acid β-Glycine. <i>Materials</i> , 2019 , 12,	3.5	6
197	Narrow optical gap ferroelectric Bi ₂ ZnTiO ₆ thin films deposited by RF sputtering. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10696-10701	13	6
196	Efficient Water Self-Diffusion in Diphenylalanine Peptide Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27485-27492	9.5	6
195	Calibration of the in-plane PFM response by the lateral force curves. <i>Ferroelectrics</i> , 2020 , 559, 15-21	0.6	6
194	Phase stability and dynamics of hybrid organic-inorganic crystals [(CH ₃) ₃ PH][SbCl ₄] and [(CH ₃) ₃ PH][SbBr ₄]: a computational and NMR approach. <i>CrystEngComm</i> , 2016 , 18, 2413-2424	3.3	6
193	Nanoscale Investigation of Polycrystalline Ferroelectric Materials via Piezoresponse Force Microscopy. <i>Springer Series in Materials Science</i> , 2011 , 409-468	0.9	6
192	Comparison of structural and electric properties of PbZr _{0.2} Ti _{0.8} O ₃ and CoFe ₂ O ₄ /PbZr _{0.2} Ti _{0.8} O ₃ films on (100)LaAlO ₃ . <i>Journal of Applied Physics</i> , 2011 , 110, 064115	2.5	6
191	Deposition of PZT thin film onto copper-coated polymer films by mean of pulsed-DC and RF-reactive sputtering. <i>Surface and Coatings Technology</i> , 2011 , 205, S241-S244	4.4	6
190	Preferred deposition of phospholipids onto ferroelectric P(VDF-TrFE) films via polarization patterning. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 335301	3	6
189	Ferroelectric Domain Structure of PZT Tetragonal Single Crystals Analysed by Scanning Probe Microscopy. <i>Microscopy and Microanalysis</i> , 2009 , 15, 83-84	0.5	6
188	Sol-gel processing of pnzst thin films on and metallizations. <i>Journal of the European Ceramic Society</i> , 1997 , 17, 1231-1238	6	6
187	Templated grain growth of SrBi ₂ Ta ₂ O ₉ ceramics: Mechanism of texture development. <i>Materials Research Bulletin</i> , 2008 , 43, 1412-1419	5.1	6

186	Dielectric permittivity and Cr ³⁺ impurity ion probe luminescence in SrTiO ₃ sol-gel ceramics. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 3705-3707	6	6
185	Nanoscale properties of ferroelectric ultrathin SBT films. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 319-323	6	6
184	Critical phonons and R- zero-phonon emission line of Cr ³⁺ in Mg-doped SrTiO ₃ . <i>Journal of Luminescence</i> , 2003 , 102-103, 536-542	3.8	6
183	Direct characterization of nanoscale domain switching and local piezoelectric loops of (Pb,La)TiO ₃ thin films by piezoresponse force microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 1207-1212	2.6	6
182	Ba-based layered ferroelectric relaxors. <i>Integrated Ferroelectrics</i> , 2001 , 37, 305-313	0.8	6
181	Wake-up Free Ferroelectric Rhombohedral Phase in Epitaxially Strained ZrO Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51383-51392	9.5	6
180	Glycine nanostructures and domains in beta-glycine: computational modeling and PFM observations. <i>Ferroelectrics</i> , 2016 , 496, 28-45	0.6	6
179	To switch or not to switch: a machine learning approach for ferroelectricity. <i>Nanoscale Advances</i> , 2020 , 2, 2063-2072	5.1	6
178	Nanoconfined water governs polarization-related properties of self-assembled peptide nanotubes. <i>Nano Select</i> , 2021 , 2, 817-829	3.1	6
177	Decoupling Mesoscale Functional Response in PLZT across the Ferroelectric-Relaxor Phase Transition with Contact Kelvin Probe Force Microscopy and Machine Learning. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42674-42680	9.5	6
176	Built-in bias in Gd-doped ceria films and its implication for electromechanical actuation devices. <i>Solid State Ionics</i> , 2018 , 327, 47-51	3.3	6
175	Surface potential distribution of multilayer graphene using Kelvin probe and electric-field force microscopies. <i>Ferroelectrics</i> , 2017 , 508, 115-123	0.6	5
174	Surface Piezoelectricity and Pyroelectricity in Centrosymmetric Materials: A Case of β-Glycine. <i>Materials</i> , 2020 , 13,	3.5	5
173	Perovskite ferroelectric thin film as an efficient interface to enhance the photovoltaic characteristics of Si/SnO _x heterojunctions. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11314-11326	13	5
172	Converse piezoelectricity and ferroelectricity in crystals of lysozyme protein revealed by piezoresponse force microscopy. <i>Ferroelectrics</i> , 2018 , 525, 135-145	0.6	5
171	Fixed volume effect on polar properties and phase diagrams of ferroelectric semi-ellipsoidal nanoparticles. <i>European Physical Journal B</i> , 2018 , 91, 1	1.2	5
170	Single particle structure characterization of solid-state synthesized Li ₄ Ti ₅ O ₁₂ . <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 278-283	2.3	5
169	Preface to Special Topic: Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials. <i>Journal of Applied Physics</i> , 2012 , 112, 051901	2.5	5

168	Polar Structures in Relaxors by Piezoresponse Force Microscopy 2010 , 345-383		5
167	Influence of Eu and Rh Impurities on Distribution of Polarization of Strontium-Barium Niobate Crystals. <i>Ferroelectrics</i> , 2008 , 373, 114-120	0.6	5
166	Growth and characterization of ferroelectric SrBi ₂ Ta ₂ O ₉ single crystals via high-temperature self-flux solution method. <i>Physics of the Solid State</i> , 2006 , 48, 537-543	0.8	5
165	Investigation of Domain Structure of SrBi ₂ Ta ₂ O ₉ Single Crystals via Polarized Optical and Piezoelectric Force Microscopy. <i>Integrated Ferroelectrics</i> , 2004 , 62, 215-220	0.8	5
164	Polarization control and domain manipulation in ferroelectric films with uv light. <i>Integrated Ferroelectrics</i> , 2001 , 37, 195-204	0.8	5
163	Modeling and physical properties of diphenylalanine peptide nanotubes containing water molecules. <i>Ferroelectrics</i> , 2021 , 574, 78-91	0.6	5
162	Physical properties of strontium barium niobate thin films prepared by polymeric chemical method. <i>Ferroelectrics</i> , 2016 , 496, 177-186	0.6	5
161	Temperature-dependent Raman spectroscopy, domain morphology and photoluminescence studies in lead-free BCZT ceramic. <i>Ceramics International</i> , 2021 , 47, 2828-2838	5.1	5
160	Controlled Growth of Stable β-Glycine via Inkjet Printing. <i>Crystal Growth and Design</i> , 2019 , 19, 3869-3875	3.5	4
159	Patterning and nanoscale characterization of ferroelectric amino acid beta-glycine 2015 ,		4
158	Temperature Dependence of Surface Polar State of SrTiO ₃ Ceramics Obtained by Piezoresponse Force Microscopy. <i>Ferroelectrics</i> , 2015 , 477, 1-8	0.6	4
157	The effect of water molecules on elastic and piezoelectric properties of diphenylalanine microtubes. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1474-1477	2.3	4
156	Raman Spectra of Diphenylalanine Microtubes: Polarisation and Temperature Effects. <i>Crystals</i> , 2020 , 10, 224	2.3	4
155	Strain-polarization coupling mechanism of enhanced conductivity at the grain boundaries in BiFeO ₃ thin films. <i>Applied Materials Today</i> , 2020 , 20, 100740	6.6	4
154	Domain structure evolution in relaxor PLZT 8/65/35 ceramics after chemical etching and electron beam irradiation. <i>Ferroelectrics</i> , 2018 , 525, 83-92	0.6	4
153	Pressure-dependent large area synthesis and electronic structure of MoS ₂ . <i>Materials Research Bulletin</i> , 2018 , 97, 265-271	5.1	4
152	Local electric field distribution in ferroelectric films and photonic crystals during polarization reversal. <i>Ferroelectrics</i> , 2016 , 503, 138-148	0.6	4
151	Strong piezoelectricity in [H-(2-pyridyl)-Ala-OH][BF ₄] and [H-(2-pyridyl)-Ala-OH][ClO ₄] [new amino acid based hybrid crystals. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7622-7631	7.1	4

150	Effect of the Chloride Anions on the Formation of Self-Assembled Diphenylalanine Peptide Nanotubes. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 1563-1570	3.2	4
149	Ferroelectric nanofibers with an embedded optically nonlinear benzothiazole derivative. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	4
148	Flexible PVDF-BaTiO ₃ nanocomposites for pressure sensors 2012 ,		4
147	Influence of GdFeO ₃ addition on the physical properties of NaKNbO ₃ lead free ferroelectric ceramics. <i>Materials Letters</i> , 2011 , 65, 2703-2706	3.3	4
146	Preface to Special Topic: Invited Papers from the International Symposium on Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials, Aveiro, Portugal, 2009. <i>Journal of Applied Physics</i> , 2010 , 108, 041901	2.5	4
145	Structural changes in ab-plane of Zn doped Bi-2212 HTSC single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 451, 44-48	1.3	4
144	Cross-sectional analysis of ferroelectric domains in PZT capacitors via piezoresponse force microscopy. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 7053-7056	3	4
143	Growth, Crystal Structure and Stability of Ag-Ni/Cu Films. <i>Materials Science Forum</i> , 2006 , 514-516, 1166-1170		4
142	Surface morphology and incommensurate modulation of self-flux grown Bi ₂ Sr ₂ CaCu ₂ O _{8+x} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 406, 72-78	1.3	4
141	Dielectric response of lanthanum-modified Pb(Fe _{1/2} Ta _{1/2})O ₃ relaxor ferroelectrics. <i>Materials Chemistry and Physics</i> , 2003 , 82, 263-267	4.4	4
140	Effect of processing conditions on the piezoelectric properties of sol-gel derived Pb(Zr,Ti)O ₃ films for micromechanical applications. <i>Journal of Materials Research</i> , 2005 , 20, 1428-1435	2.5	4
139	Effect of Lanthanum-doping on the Dielectric Properties of Pb(Fe _{1/2} Ta _{1/2})O ₃ Relaxor Ferroelectrics. <i>Journal of Materials Research</i> , 2002 , 17, 1779-1784	2.5	4
138	Electromechanical Properties of Lead-Based Ferroelectric Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 541, 623		4
137	Applications of Active Thin Film Coatings on Optical Fibers. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 459, 25		4
136	Transient and steady-state conduction in SOL-GEL PbZr _{0.53} Ti _{0.47} O ₃ (PZT) films. <i>Ferroelectrics</i> , 1996 , 186, 203-206	0.6	4
135	Core-Shell Magnetoactive PHB/Gelatin/Magnetite Composite Electrospun Scaffolds for Biomedical Applications.. <i>Polymers</i> , 2022 , 14,	4.5	4
134	Calcium modified lead titanate thin films for electromechanical applications. <i>European Physical Journal Special Topics</i> , 1998 , 08, Pr9-195-Pr9-198		4
133	Microstructure and Local Piezoelectric Properties of (Pb,Ca)TiO ₃ Thin Films. <i>Ferroelectrics</i> , 2003 , 296, 229-237	0.6	4

132	Dynamic Measurements of Magnetoelectricity in Metglas-Piezocrystal Laminates. <i>Nanoscience and Technology</i> , 2016 , 227-265	0.6	4
131	Influence of the domain structure on piezoelectric and dielectric properties of relaxor SBN single crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 443, 012031	0.4	4
130	Optical, Dielectric and Magnetic Properties of La _{1-x} NdxFeO ₃ Powders and Ceramics. <i>Ceramics</i> , 2019 , 2, 1-12	1.7	3
129	Crystal Structure and Strong Piezoelectricity of New Amino Acid Based Hybrid Crystals: [H-[3-Pyridyl)-Ala-OH][ClO ₄] and [H-[4-Pyridyl)-Ala-OH][ClO ₄]. <i>Crystal Growth and Design</i> , 2019 , 19, 2583-2593	3.5	3
128	Magnetic Properties of LaAMnO (A: Li, Na, K) Nanopowders and Nanoceramics. <i>Materials</i> , 2020 , 13,	3.5	3
127	Piezoelectric properties and Young's moduli of diphenylalanine microtubes-oxide nanoparticles composites. <i>Ferroelectrics</i> , 2018 , 525, 146-155	0.6	3
126	Correspondence: Reply to 'On the nature of strong piezoelectricity in graphene on SiO ₂ '. <i>Nature Communications</i> , 2016 , 7, 11571	17.4	3
125	Indentation induced local polarization reversal in La doped BiFeO ₃ ceramics. <i>Ferroelectrics</i> , 2019 , 541, 1-9	0.6	3
124	Mn-Doped BaTiOCeramics: Thermal and Electrical Properties for Multicaloric Applications. <i>Materials</i> , 2019 , 12,	3.5	3
123	Study of electrical and magnetic properties of Ba, La and Pb doped Bi _{1-x-y} DyxCyFe _{1-y} TiyO ₃ perovskite ceramics. <i>Solid State Communications</i> , 2014 , 180, 56-63	1.6	3
122	Effect of Composition on the Physical Properties at Nanoscale of PZT Thin Films. <i>Ferroelectrics</i> , 2014 , 465, 106-114	0.6	3
121	Piezoelectricity and crystal structure of H-. <i>Journal of Molecular Structure</i> , 2014 , 1075, 213-219	3.4	3
120	Local Electromechanical Properties of CaCu ₃ Ti ₄ O ₁₂ Ceramics. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1255, 319		3
119	FERROELECTRIC AND MAGNETIC PROPERTIES OF PEROVSKITE STRUCTURED Bi _{1-x-y} GdxBayFe _{1-y} TiyO ₃ MAGNETOELECTRIC CERAMICS. <i>Journal of Advanced Dielectrics</i> , 2011 , 01, 257-267	1.3	3
118	2009 ,		3
117	Piezoresponse in Ferroelectric PZT Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 966, 1		3
116	Texture Property Relationships in Bi-Layered Ferroelectric Ceramics: A Case Study of SrBi ₂ Ta ₂ O ₉ . <i>Materials Science Forum</i> , 2006 , 514-516, 170-174	0.4	3
115	Structural and Electrical Characterization of Ferroelectric SrBi ₂ Nb ₂ O ₉ Single Crystals Grown by High-Temperature Self-Flux Solution. <i>Ferroelectrics</i> , 2005 , 320, 43-50	0.6	3

114	Investigation of Switching Behaviour in PbZr _{0.55} Ti _{0.45} O ₃ Thin Films by Means of Scanning Probe Microscopy. <i>Ferroelectrics</i> , 2003 , 286, 291-299	0.6	3
113	Microstructure and Electrical Properties of SrBi ₂ Ta ₂ O ₉ Ceramics Processed by Templated Grain Growth. <i>Materials Science Forum</i> , 2004 , 455-456, 35-39	0.4	3
112	Dielectric and Piezoelectric Properties of Pb(Mg _{1/3} Nb _{2/3})O ₃ /PbTiO ₃ /Pb(Mg _{1/2} W _{1/2})O ₃ Ceramics. <i>Inorganic Materials</i> , 2004 , 40, 998-1005	0.9	3
111	Dielectric and Piezoelectric Properties of the Lead-Based Perovskite Ceramics. <i>Ferroelectrics</i> , 2004 , 313, 129-133	0.6	3
110	Domain Structure, Local Hysteresis and Ferroelectric Phase Transition in (CH ₃ NH ₃) ₅ Bi ₂ Br ₁₁ (MAPBBB) Single Crystals. <i>Ferroelectrics</i> , 2003 , 295, 121-129	0.6	3
109	Ferroelectric Domain Structure and Local Piezoelectric Properties of Sol-Gel Derived Pb(Zr _{1-x} Ti _x)O ₃ Films. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 784, 3101		3
108	Lattice Dynamics and Negative Search for Pyroelectricity in Sr(1 - 0.5x) LaxTiO ₃ Ceramics. <i>Ferroelectrics</i> , 2005 , 318, 147-153	0.6	3
107	Processing and Characterization of Ba-Based Layered Ferroelectric Relaxors. <i>Key Engineering Materials</i> , 2002 , 230-232, 595-598	0.4	3
106	Synthesis by Sol-Gel and Characterization of Strontium Titanate Powder. <i>Key Engineering Materials</i> , 2002 , 230-232, 40-43	0.4	3
105	Metal-ferroelectric thin film devices. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1311-1315	3.9	3
104	Domain Wall Contributions to the Piezoelectric Properties of Ferroelectric Ceramics and Thin Films, and Their Significance in Sensor and Actuator Applications. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 459, 15		3
103	Transient photocurrents and photoconductivity in strontium titanate. <i>Ferroelectrics</i> , 1982 , 43, 195-198	0.6	3
102	Domain Switching by Electron Beam Irradiation in SBN ₆₁ :Ce Single Crystals Covered by Dielectric Layer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 191-196	3.2	3
101	Local electromechanical response in doped ceria: Rigorous analysis of the phase and amplitude. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020 , 27, 1478-1485	2.3	3
100	Spin coating formation of self-assembled ferroelectric glycine films. <i>Ferroelectrics</i> , 2016 , 496, 10-19	0.6	3
99	Local electronic transport across probe/ionic conductor interface in scanning probe microscopy. <i>Ultramicroscopy</i> , 2021 , 220, 113147	3.1	3
98	Statics and dynamics of ferroelectric domains in molecular multiaxial ferroelectric (Me ₃ NOH) ₂ [KCo(CN) ₆]. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10741-10748	7.1	3
97	Modeling of Self-Assembled Peptide Nanotubes and Determination of Their Chirality Sign Based on Dipole Moment Calculations. <i>Nanomaterials</i> , 2021 , 11,	5.4	3


96	Effect of surface disorder on the domain structure of PLZT ceramics. <i>Ferroelectrics</i> , 2017 , 509, 19-26	0.6	2
95	Defect concentration in nitrogen-doped graphene grown on Cu substrate: A thickness effect. <i>Physica B: Condensed Matter</i> , 2017 , 513, 62-68	2.8	2
94	Chemical Solution Deposition of BiFeO ₃ Films with Layer-by-Layer Control of the Coverage and Composition. <i>Coatings</i> , 2020 , 10, 438	2.9	2
93	Local electromechanical characterization of Pr doped BiFeO ₃ ceramics. <i>Ferroelectrics</i> , 2018 , 525, 64-75	0.6	2
92	Structural, dielectric and magnetic properties of Pr-, Tb- and Dy-doped (Bi _{0.95} RE _{0.05})(Fe _{0.95} Mn _{0.05})O ₃ ceramics synthesized by solid-state reaction method. <i>Journal of Advanced Dielectrics</i> , 2013 , 03, 1350033	1.3	2
91	Enhancement of local piezoelectric properties of a perforated ferroelectric thin film visualized via piezoresponse force microscopy. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 425303	3	2
90	Local Young's moduli of as-grown and annealed diphenylalanine nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 256, 012012	0.4	2
89	Preface to Special Topic: Selected Papers from the Piezoresponse Force Microscopy Workshop Series: Part of the Joint ISAF-ECAPD-PFM 2012 Conference. <i>Journal of Applied Physics</i> , 2013 , 113, 187102-5	2.5	2
88	Piezoelectric PZT Thin Films on Flexible Copper-Coated Polymer Films. <i>Materials Science Forum</i> , 2010 , 636-637, 392-397	0.4	2
87	Preface to special topic: Piezoresponse force microscopy and nanoscale phenomena in polar materials. <i>Journal of Applied Physics</i> , 2011 , 110, 051901	2.5	2
86	Development of lead-free materials for piezoelectric energy harvesting. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1325, 105		2
85	Local nanoelectromechanical properties of multiferroics Gd-doped BiFeO ₃ -BaTiO ₃ solid solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 6639-44	1.3	2
84	Development of Novel Multiferroic Composites Based on BaTiO ₃ and Hexagonal Ferrites. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1161, 1061		2
83	ELECTRICAL PROPERTIES OF HETEROPHASE PZT THIN FILMS WITH EXCESS LEAD OXIDE. <i>Integrated Ferroelectrics</i> , 2009 , 106, 81-93	0.8	2
82	Polarization of Surface Layers in PLZT Relaxor Ceramics. <i>Ferroelectrics</i> , 2008 , 374, 144-149	0.6	2
81	Pyroelectric and piezoelectric hysteresis loops in thin PZT films with excess lead oxide. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2007 , 71, 1386-1387	0.4	2
80	Deposition and Characterization of Thick Pb(Zr,Ti)O ₃ Films on Optical Fibers. <i>Ferroelectrics</i> , 2006 , 338, 81-88	0.6	2
79	Nanoscale investigation of polar structure of (1-x)PbMg _{1/3} Nb _{2/3} O ₃ -xPbTiO ₃ single crystals. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 785, 4111		2

78	X-Ray Characterization and Domain Structure of High-Quality SrBi ₂ Ta ₂ O ₉ Single-Crystals Grown by Self-Flux Solution Method. <i>Integrated Ferroelectrics</i> , 2004 , 68, 259-268	0.8	2
77	Barium Metaplumbate Thin Film Electrodes for Ferroelectric Devices. <i>Ferroelectrics</i> , 2003 , 293, 177-188	0.6	2
76	X- ray and AFM studies of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} single-crystals grown by different methods. <i>Journal of Crystal Growth</i> , 2005 , 275, e1799-e1805	1.6	2
75	Processing of Novel Electroceramic Components by SFF Techniques. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 542, 85		2
74	Dielectric Permittivity and Cr ³⁺ Impurity Luminescence of Sr _{0.99} Mg _{0.01} TiO ₃ and SrTi _{0.99} Mg _{0.01} O ₃ . <i>Ferroelectrics</i> , 2003 , 294, 229-238	0.6	2
73	Interface modulated currents in periodically proton exchanged Mg doped lithium niobate. <i>Journal of Applied Physics</i> , 2016 , 119, 114103	2.5	2
72	Imprint effect in PZT thin films at compositions around the morphotropic phase boundary. <i>Ferroelectrics</i> , 2016 , 498, 18-26	0.6	2
71	Imprint behavior and polarization relaxation of PLZT thin films. <i>Ferroelectrics</i> , 2018 , 533, 10-18	0.6	2
70	Non-Hydrostatic Pressure-Induced Phase Transitions in Self-Assembled Diphenylalanine Microtubes. <i>Technical Physics</i> , 2018 , 63, 1311-1315	0.5	2
69	Exploring Charged Defects in Ferroelectrics by the Switching Spectroscopy Piezoresponse Force Microscopy.. <i>Small Methods</i> , 2021 , e2101289	12.8	2
68	Piezoelectric Actuation of Graphene-Coated Polar Structures. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 2142-2147	3.2	1
67	Piezoelectricity in Self-Assembled Peptides: A New Way towards Electricity Generation at Nanoscale 2020 ,		1
66	Energy Harvesting with Biomaterials 2016 , 297-316		1
65	Effect of ferroelectric domains on electric properties of single layer graphene. <i>Ferroelectrics</i> , 2019 , 542, 93-101	0.6	1
64	Dielectric and magnetic properties of Ba-, La- and Pb-doped Bi _{0.8} Gd _{0.1} Mn _{0.1} Fe _{0.9} Ti _{0.1} O ₃ perovskite ceramics. <i>Journal of Advanced Dielectrics</i> , 2014 , 04, 1450010	1.3	1
63	Voltage-dependent domain evolution in La _{0.89} Sr _{0.11} MnO ₃ single crystals by Piezoresponse Force Microscopy. <i>Solid State Communications</i> , 2013 , 164, 38-41	1.6	1
62	Thermal excitation contribution into the electromechanical performance of self-supported Gd-doped ceria membranes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 256, 012008	0.4	1
61	Giant Strain and Induced Ferroelectricity in Amorphous BaTiO ₃ Films under Poling. <i>Materials</i> , 2017 , 10,	3.5	1

60	Physical Properties of Self-Polarized PZT Thin Films at Compositions around the Morphotropic Phase Boundary. <i>Advanced Materials Research</i> , 2014 , 975, 9-15	0.5	1
59	Local electromechanical properties of ZnO thin films and microcrystals. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1256, 1		1
58	Polarization switching kinetics of ferroelectric nanostructures of vinylidene fluoride-trifluoroethylene copolymer. <i>JETP Letters</i> , 2009 , 90, 32-35	1.2	1
57	Complex dielectric function in lead-free NKN films 2012 ,		1
56	Correlation between Ionic Radius of Substituting Element and Magnetic Properties of Bi _{1-x} A _x FeO _{3-x/2} (A= Ca, Sr, Pb, Ba) Multiferroics. <i>Solid State Phenomena</i> , 2009 , 152-153, 131-134	0.4	1
55	ABNORMAL PYROELECTRIC AND PIEZOELECTRIC HYSTERESIS LOOPS IN PZT THIN FILMS. <i>Integrated Ferroelectrics</i> , 2009 , 106, 94-102	0.8	1
54	Dielectric Properties of Relaxor Ceramics BBT. <i>Ferroelectrics</i> , 2007 , 347, 50-54	0.6	1
53	Dielectric Permittivity and Cr ³⁺ Impurity Luminescence of Sr _{0.99} Mg _{0.01} TiO ₃ and SrTi _{0.99} Mg _{0.01} O ₃ . <i>Ferroelectrics</i> , 2003 , 294, 229-238	0.6	1
52	Structural and Dielectric Properties of Mg-Doped Strontium Titanate Ceramics: Dependence on the Materials Processing. <i>Materials Science Forum</i> , 2004 , 455-456, 40-44	0.4	1
51	Direct observation of polar nanostructures in PLZT ceramics for electrooptic applications. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 838, 169		1
50	Twinning and domain structure of epitaxial YBa ₂ Cu ₃ O _x films studies by X-ray diffraction methods. <i>Journal of Crystal Growth</i> , 2005 , 275, e2475-e2480	1.6	1
49	Phase Diagram of the W-doped Pb(Zn _{1/3} Nb _{2/3})O ₃ BaTiO ₃ PbTiO ₃ System Around a Morphotropic Phase Boundary Composition. <i>Journal of Materials Research</i> , 2002 , 17, 1085-1091	2.5	1
48	Dielectric Behavior of Mn-doped Morphotropic Phase Boundary Composition in the Pb(Zn _{1/3} Nb _{2/3})O ₃ BaTiO ₃ PbTiO ₃ System. <i>Journal of Materials Research</i> , 2002 , 17, 1192-1198	2.5	1
47	Effect of spontaneous polarization on the electrical properties of YBaCuO superconductive films. <i>Ferroelectrics</i> , 1994 , 151, 109-114	0.6	1
46	Vacuum Ultraviolet Reflection Spectra of Pb-Containing ABO ₃ Perovskites. Application to Electrooptic Properties. <i>Physica Status Solidi A</i> , 1982 , 69, 425-429		1
45	Temperature dependent structural, dielectric, Raman, piezoresponse and photoluminescence investigations in sol-gel derived BCZT ceramics. <i>Materials Chemistry and Physics</i> , 2022 , 277, 125526	4.4	1
44	Local piezoelectricity in SrTiO ₃ -BiTiO ₃ ceramics. <i>Lithuanian Journal of Physics</i> , 2014 , 54,	1.1	1
43	Fracture strength and fatigue endurance in Gd-doped ceria thermal actuators. <i>Sensors and Actuators A: Physical</i> , 2020 , 304, 111885	3.9	1

42	Piezoelectric Properties of PbLa(ZrTi)O Thin Films Studied by In Situ X-ray Diffraction. <i>Materials</i> , 2020 , 13,	3.5	1
41	Nanoscale Piezoelectric Properties and Phase Separation in Pure and La-Doped BiFeO Films Prepared by Sol-Gel Method. <i>Materials</i> , 2021 , 14,	3.5	1
40	Engineering the Magnetolectric Response in Piezocrystal-Based Magnetolectrics: Basic Theory, Choice of Materials, Model Calculations. <i>Nanoscience and Technology</i> , 2016 , 189-226	0.6	1
39	Formation of self-assembled pattern of glycine microcrystals: experiment and computer simulation. <i>Ferroelectrics</i> , 2016 , 496, 20-27	0.6	1
38	Structure and properties of various fast neutron irradiated magnets. <i>Physica B: Condensed Matter</i> , 2018 , 551, 132-136	2.8	1
37	A combined theoretical and experimental study of the phase coexistence and morphotropic boundaries in ferroelectric-antiferroelectric-antiferrodistortive multiferroics. <i>Acta Materialia</i> , 2021 , 213, 116939	8.4	1
36	Magnetoactive electrospun hybrid scaffolds based on poly(vinylidene fluoride-co-trifluoroethylene) and magnetite particles with varied sizes. <i>Polymer Engineering and Science</i> ,	2.3	1
35	Piezoresponse Force Microscopy for Bioelectromechanics 2016 , 435-450		0
34	Piezoactive dense diphenylalanine thin films via solid-phase crystallization. <i>Applied Materials Today</i> , 2021 , 101261	6.6	0
33	Local Polarization Reversal by Ion Beam Irradiation in SBN Single Crystals Covered by Dielectric Layer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 2824-2831	3.2	0
32	Instrumented electromagnetic generator: Optimized performance by automatic self-adaptation of the generator structure. <i>Mechanical Systems and Signal Processing</i> , 2022 , 171, 108898	7.8	0
31	Towards Self-Adaptability of Instrumented Electromagnetic Energy Harvesters. <i>Machines</i> , 2022 , 10, 414	2.9	0
30	High Resolution Piezoresponse Force Microscopy Study of Self-Assembled Peptide Nanotubes. <i>MRS Advances</i> , 2017 , 2, 63-69	0.7	
29	Physical properties and reentrant behavior in PLZT thin films. <i>Ferroelectrics</i> , 2017 , 509, 1-9	0.6	
28	Impact of Alkali Ions Codoping on Magnetic Properties of La _{0.9} A _{0.1} Mn _{0.9} Co _{0.1} O ₃ (A: Li, K, Na) Powders and Ceramics. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8786	2.6	
27	Interferometric measurements of graphene-based membranes for micromechanical applications. <i>Ferroelectrics</i> , 2020 , 560, 95-101	0.6	
26	Optical Properties of Lead-Free NKN Films from Transmission and Spectral Ellipsometry. <i>Ferroelectrics</i> , 2013 , 446, 118-127	0.6	
25	Imprint Behavior of Piezoelectric PZT Thin Films Deposited onto Cu-Coated Polymer Substrates. <i>Ferroelectrics</i> , 2011 , 419, 103-108	0.6	

24	Ferroelectric Domains and Grain Engineering in SrBi ₂ Ta ₂ O ₉ 2012 , 53-85	
23	Effect of the Grain Size on the Magnetic Phase Separation in La _{0.8} Sr _{0.2} MnO ₃ by Magnetic Force Microscopy. <i>Microscopy and Microanalysis</i> , 2012 , 18, 101-102	0.5
22	Introduction to the special issue on the applications of ferroelectrics--part II. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008 , 55, 938-41	3.2
21	Study of Inelastic Light Scattering in La _x Sr _(1-1.5x) TiO ₃ . <i>Materials Science Forum</i> , 2008 , 587-588, 148-152	0.4
20	Electromechanical measurements of electric field-induced displacements of fibers. <i>Review of Scientific Instruments</i> , 2008 , 79, 015107	1.7
19	Effect of Diamagnetic A ²⁺ Substitution on the Magnetic and Ferroelectric Properties of the Bi _{1-x} A _x FeO ₃ Multiferroics. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1034, 182	
18	Dielectric Dispersion and Distribution of the Relaxation Times of the Relaxor Ceramics BBT. <i>Ferroelectrics</i> , 2007 , 353, 87-90	0.6
17	Introduction to the special issue on Nanoscale Ferroelectrics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006 , 53, 2206-2207	3.2
16	Raman Studies of the FE-AFE Phase Transition in Ceramic Li _{0.12} Na _{0.88} Ta _{0.2} Nb _{0.8} O ₃ Solid Solution. <i>Ferroelectrics</i> , 2003 , 294, 221-227	0.6
15	Imaginary Time Schrödinger Treatment for Microstructure Modeling in Ferroelectrics. <i>Integrated Ferroelectrics</i> , 2004 , 64, 51-59	0.8
14	Growth, crystal structure and stability of Ag-Ni/Cu films. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 854, U8.17.1	
13	Ferroelectric Properties of BaTiO ₃ Doped with La(Mg _{1/2} Ti _{1/2})O ₃ . <i>Ferroelectrics</i> , 2004 , 302, 299-302	0.6
12	Nanoscale Ferroelectric Properties of PZN-PT Single Crystals Studied by Scanning Force Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 785, 621	
11	Measurements of Piezoelectric Properties of Ferroelectric Thick Films by Fotonic Sensor. <i>Ferroelectrics</i> , 2005 , 320, 171-178	0.6
10	Processing, Investigation of Structure, Microstructure, Dielectric and Piezoelectric Properties of PbMg _{1/3} Nb _{2/3} O ₃ -PbTiO ₃ Ceramics Doped with the PbMg _{1/2} W _{1/2} O ₃ Additive. <i>Ferroelectrics</i> , 2005 , 314, 27-35	0.6
9	Local Electromechanical Properties and Grain Size Effects in Ferroelectric Relaxors Studied by Scanning Piezoelectric Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 748, 1	
8	Optical and Photoelectric Properties of PZT Films for Microelectronic Applications. <i>Key Engineering Materials</i> , 2002 , 230-232, 563-566	0.4
7	Seeding effect on the fatigue behaviour of PZT thin films. <i>Integrated Ferroelectrics</i> , 2001 , 37, 145-154	0.8

- 6 2D Layered Dipeptide Crystals for Piezoelectric Applications (Adv. Funct. Mater. 43/2021). *Advanced Functional Materials*, **2021**, 31, 2170320 15.6
- 5  *Technical Physics*, **2018**, 88, 1355 0
- 4 Piezoresponse Force Microscopy and Spectroscopy **2016**, 3252-3263
- 3 Multiferroic properties of barium strontium titanate ceramics doped with gadolinium and iron. *Ferroelectrics*, **2021**, 574, 109-114 0.6
- 2 Ferroelectricity in Synthetic Biomaterials: Hydroxyapatite and Polypeptides **2016**, 149-166
- 1 Synthesis and characterisation of lead free BaFe₁₂O₁₉ (K_{0.5}Na_{0.5})NbO₃ magnetoelectric composites, and the comparison of various synthetic routes. *Journal of Alloys and Compounds*, **2021**, 883, 160819 5.7