

Wenwu Cao

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

620
papers

17,716
citations

61
h-index

102
g-index

645
ext. papers

19,776
ext. citations

4.2
avg, IF

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L-index

#	Paper	IF	Citations
620	Intrinsic and Extrinsic Size Effects in Fine-Grained Morphotropic-Phase-Boundary Lead Zirconate Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 81, 677-688	3.8	778
619	Elastic, piezoelectric, and dielectric properties of multidomain 0.67Pb(Mg $_{1/3}$ Nb $_{2/3}$)O $_{3-0.33}$ PbTiO $_3$ single crystals. <i>Journal of Applied Physics</i> , 2001 , 90, 3471-3475	2.5	366
618	Grain size and domain size relations in bulk ceramic ferroelectric materials. <i>Journal of Physics and Chemistry of Solids</i> , 1996 , 57, 1499-1505	3.9	360
617	Relaxor-based ferroelectric single crystals: growth, domain engineering, characterization and applications. <i>Progress in Materials Science</i> , 2014 , 65, 124-210	42.2	354
616	Back gated multilayer InSe transistors with enhanced carrier mobilities via the suppression of carrier scattering from a dielectric interface. <i>Advanced Materials</i> , 2014 , 26, 6587-93	24	331
615	PCR detection and quantitation of predominant anaerobic bacteria in human and animal fecal samples. <i>Applied and Environmental Microbiology</i> , 1996 , 62, 1242-7	4.8	330
614	The extrinsic nature of nonlinear behavior observed in lead zirconate titanate ferroelectric ceramic. <i>Journal of Applied Physics</i> , 1991 , 69, 7219-7224	2.5	289
613	Theory of tetragonal twin structures in ferroelectric perovskites with a first-order phase transition. <i>Physical Review B</i> , 1991 , 44, 5-12	3.3	267
612	An optical temperature sensor based on the upconversion luminescence from Tm $^{3+}$ /Yb $^{3+}$ codoped oxyfluoride glass ceramic. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 250-253	8.5	218
611	Semiconductor/relaxor 0-3 type composites without thermal depolarization in Bi $_{1-x}$ Na $_x$ TiO $_3$ -based lead-free piezoceramics. <i>Nature Communications</i> , 2015 , 6, 6615	17.4	197
610	Optical temperature sensing through the upconversion luminescence from Ho $^{3+}$ /Yb $^{3+}$ codoped CaWO $_4$. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 1096-1100	8.5	183
609	Theoretical model for the morphotropic phase boundary in lead zirconate-lead titanate solid solution. <i>Physical Review B</i> , 1993 , 47, 4825-4830	3.3	172
608	Ultrahigh photo-responsivity and detectivity in multilayer InSe nanosheets phototransistors with broadband response. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7022-7028	7.1	162
607	Losses in Ferroelectric Materials. <i>Materials Science and Engineering Reports</i> , 2015 , 89, 1-48	30.9	159
606	Electric Fatigue in Lead Zirconate Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 211-215	3.8	146
605	Synthesis of two-dimensional α -Ga $_2$ O $_3$ nanosheets for high-performance solar blind photodetectors. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3254-3259	7.1	139
604	Elastic, piezoelectric, and dielectric properties of 0.955Pb(Zn $_{1/3}$ Nb $_{2/3}$)O $_3$ -0.45PbTiO $_3$ single crystal with designed multidomains. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2000 , 47, 285-91	3.2	138

603	Vertical 2D MoO ₂ /MoSe ₂ Core-shell Nanosheet Arrays as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 8537-8544	15.6	134
602	Piezoelectric ceramic bimorph coupled to thin metal plate as cooling fan for electronic devices. <i>Sensors and Actuators A: Physical</i> , 2000 , 79, 8-12	3.9	133
601	Short-wavelength upconversion emissions in Ho ³⁺ /Yb ³⁺ codoped glass ceramic and the optical thermometry behavior. <i>Optics Express</i> , 2012 , 20, 18127-37	3.3	128
600	Single-domain properties of 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.33PbTiO ₃ single crystals under electric field bias. <i>Applied Physics Letters</i> , 2003 , 82, 787-789	3.4	128
599	An insight into the role of oxygen vacancy in hydrogenated TiO ₂ nanocrystals in the performance of dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3754-63	9.5	127
598	Elastic, piezoelectric, and dielectric properties of 0.58Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.42PbTiO ₃ single crystal. <i>Journal of Applied Physics</i> , 2004 , 96, 549-554	2.5	126
597	Excellent optical thermometry based on short-wavelength upconversion emissions in Er ³⁺ /Yb ³⁺ codoped CaWO ₄ . <i>Optics Letters</i> , 2012 , 37, 4865-7	3	116
596	Exceptionally High Piezoelectric Coefficient and Low Strain Hysteresis in Grain-Oriented (Ba, Ca)(Ti, Zr)O through Integrating Crystallographic Texture and Domain Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29863-29871	9.5	114
595	Sensitive Electronic-Skin Strain Sensor Array Based on the Patterned Two-Dimensional H ₂ Se ₃ . <i>Chemistry of Materials</i> , 2016 , 28, 4278-4283	9.6	112
594	Domain-size dependence of piezoelectric properties of ferroelectrics. <i>Physical Review B</i> , 2005 , 72,	3.3	111
593	Highly sensitive optical thermometry through thermally enhanced near infrared emissions from Nd ³⁺ /Yb ³⁺ codoped oxyfluoride glass ceramic. <i>Sensors and Actuators B: Chemical</i> , 2013 , 178, 520-524	8.5	100
592	Colorimetric Sensor Based on Self-Assembled Polydiacetylene/Graphene-Stacked Composite Film for Vapor-Phase Volatile Organic Compounds. <i>Advanced Functional Materials</i> , 2013 , 23, 6044-6050	15.6	100
591	Orientation dependence of piezoelectric properties of single domain 0.67Pb(Mn _{1/3} Nb _{2/3})O ₃ ·0.33PbTiO ₃ crystals. <i>Applied Physics Letters</i> , 2003 , 82, 3737-3739	3.4	99
590	Landau-Ginzburg model of interphase boundaries in improper ferroelastic Perovskites of D _{4h} 18 symmetry. <i>Physical Review B</i> , 1990 , 41, 4334-4348	3.3	96
589	Highly Stretchable and Conductive Core-shell Chemical Vapor Deposition Graphene Fibers and Their Applications in Safe Strain Sensors. <i>Chemistry of Materials</i> , 2015 , 27, 6969-6975	9.6	93
588	High frequency properties of passive materials for ultrasonic transducers. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2001 , 48, 78-84	3.2	93
587	Effects of postanneal conditions on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ thin films prepared on Pt/Ti/SiO ₂ /Si substrates. <i>Journal of Applied Physics</i> , 2004 , 95, 6483-6485	2.5	92
586	The temperature-dependent electrical properties of Bi _{0.5} Na _{0.5} TiO ₃ BaTiO ₃ Bi _{0.5} K _{0.5} TiO ₃ near the morphotropic phase boundary. <i>Acta Materialia</i> , 2012 , 60, 469-475	8.4	91

585	Microstructure and ferroelectric properties of MnO ₂ -doped bismuth-layer (Ca,Sr)Bi ₄ Ti ₄ O ₁₅ ceramics. <i>Journal of Applied Physics</i> , 2005 , 98, 064108	2.5	89
584	Domain configurations in domain engineered 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.045PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2000 , 87, 7438-7441	2.5	88
583	Complete set of material constants of Pb(In ₁₂ Nb ₁₂)O ₃ -Pb(Mg ₁₃ Nb ₂₃)O ₃ -PbTiO ₃ single crystal with morphotropic phase boundary composition. <i>Journal of Applied Physics</i> , 2009 , 106, 74112	2.5	87
582	Elastic, dielectric, and piezoelectric constants of Pb(In ₁₂ Nb ₁₂)O ₃ -Pb(Mg ₁₃ Nb ₂₃)O ₃ -PbTiO ₃ single crystal poled along [011](c). <i>Applied Physics Letters</i> , 2010 , 97,	3.4	84
581	Large size lead-free (Na,K)(Nb,Ta)O ₃ piezoelectric single crystal: growth and full tensor properties. <i>CrystEngComm</i> , 2013 , 15, 7718	3.3	83
580	Complete set of material constants of 0.93Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.07PbTiO ₃ domain engineered single crystal. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1877-1879		81
579	Optical temperature sensing based on the near-infrared emissions from Nd ³⁺ /Yb ³⁺ codoped CaWO ₄ . <i>Optics Letters</i> , 2014 , 39, 4635-8	3	78
578	Low-Temperature Growth of Large-Area Heteroatom-Doped Graphene Film. <i>Chemistry of Materials</i> , 2014 , 26, 2460-2466	9.6	77
577	Two-/three-dimensional open lanthanide-organic frameworks containing rigid/flexible dicarboxylate ligands: synthesis, crystal structure and photoluminescent properties. <i>CrystEngComm</i> , 2013 , 15, 1931	3.3	77
576	Hopping conduction in Mn-doped ZnO. <i>Applied Physics Letters</i> , 2003 , 82, 67-69	3.4	77
575	Two-Dimensional van der Waals Materials with Aligned In-Plane Polarization and Large Piezoelectric Effect for Self-Powered Piezoelectric Sensors. <i>Nano Letters</i> , 2019 , 19, 5410-5416	11.5	74
574	Influence of dipolar defects on switching behavior in ferroelectrics. <i>Physical Review B</i> , 2000 , 63,	3.3	72
573	Dielectric enhancement and Maxwell-Wagner effects in polycrystalline ferroelectric multilayered thin films. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2935-2938	3	71
572	Optical Thermometry through Green Upconversion Emissions in Er ³⁺ /Yb ³⁺ -Codoped CaWO ₄ Phosphor. <i>Applied Physics Express</i> , 2012 , 5, 072201	2.4	69
571	Domain-Related Phase Transitionlike Behavior in Lead Zinc Niobate Relaxor Ferroelectric Single Crystals. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1462-1468	3.8	69
570	Phase diagram and electrostrictive properties of Bi _{0.5} Na _{0.5} TiO ₃ BaTiO ₃ -0.5Na _{0.5} NbO ₃ ceramics. <i>Applied Physics Letters</i> , 2010 , 97, 122901	3.4	66
569	Electric field effects on the phase transitions in [001]-oriented (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ single crystals with compositions near the morphotropic phase boundary. <i>Physical Review B</i> , 2003 , 68,	3.3	66
568	Pinning and depinning mechanism of defect dipoles in PMnNBT ceramics. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 1107-1111	3	66

567	(K, Na, Li)(Nb, Ta)O:Mn lead-free single crystal with high piezoelectric properties. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1829-1835	3.8	65
566	Multi-Nonvolatile State Resistive Switching Arising from Ferroelectricity and Oxygen Vacancy Migration. <i>Advanced Materials</i> , 2017 , 29, 1606165	24	64
565	Enhanced near-infrared to visible upconversion nanoparticles of Ho ³⁺ -Yb ³⁺ -F ³⁺ tri-doped TiO ₂ and its application in dye-sensitized solar cells with 37% improvement in power conversion efficiency. <i>Inorganic Chemistry</i> , 2014 , 53, 8045-53	5.1	64
564	Sonodynamic therapy inhibits angiogenesis and tumor growth in a xenograft mouse model. <i>Cancer Letters</i> , 2013 , 335, 93-9	9.9	64
563	PCR detection of Ruminococcus spp. in human and animal faecal samples. <i>Molecular and Cellular Probes</i> , 1997 , 11, 259-65	3.3	64
562	Complete set of elastic, dielectric, and piezoelectric coefficients of 0.93Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.07PbTiO ₃ single crystal poled along [011]. <i>Applied Physics Letters</i> , 2006 , 89, 242908	3.4	64
561	In-Plane Mosaic Potential Growth of Large-Area 2D Layered Semiconductors MoS-MoSe Lateral Heterostructures and Photodetector Application. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1684-1691	9.5	63
560	Characterization of piezoelectric materials with large piezoelectric and electromechanical coupling coefficients. <i>Ultrasonics</i> , 2003 , 41, 55-63	3.5	63
559	Controlled growth of vertical 3D MoS ₂ (1-x)Se _{2x} nanosheets for an efficient and stable hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18060-18066	13	61
558	Ultrahigh-sensitive optical temperature sensing based on ferroelectric Pr ³⁺ -doped (K _{0.5} Na _{0.5})NbO ₃ . <i>Applied Physics Letters</i> , 2016 , 108, 061902	3.4	61
557	Sensitive Room Temperature Photoluminescence-Based Sensing of H ₂ S with Novel CuO-ZnO Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16379-85	9.5	60
556	Complete set of material constants of 0.95(Na _{0.5} Bi _{0.5})TiO ₃ -0.05BaTiO ₃ lead-free piezoelectric single crystal and the delineation of extrinsic contributions. <i>Applied Physics Letters</i> , 2013 , 103, 122905	3.4	60
555	Enhanced pyroelectric property in (1-x)(Bi _{0.5} Na _{0.5})TiO ₃ -xBa(Zr _{0.055} Ti _{0.945})O ₃ : Role of morphotropic phase boundary and ferroelectric-antiferroelectric phase transition. <i>Applied Physics Letters</i> , 2013 , 103, 182906	3.4	59
554	Orientation dependence of piezoelectric properties and mechanical quality factors of 0.27Pb(In _{1/2} Nb _{1/2})O ₃ -0.46Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.27PbTiO ₃ :Mn single crystals. <i>Journal of Applied Physics</i> , 2013 , 114, 104105	2.5	59
553	CVD growth of large area and uniform graphene on tilted copper foil for high performance flexible transparent conductive film. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18283		58
552	Finite element analysis of the cymbal-type flextensional transducer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1998 , 45, 1363-1369	3.2	57
551	Theoretical study on the static performance of piezoelectric ceramic-polymer composites with 1-3 connectivity. <i>Journal of Applied Physics</i> , 1992 , 72, 5814-5821	2.5	57
550	Ferroelectricity in the ReBa ₂ Cu ₃ O _{7-δ} superconductors. <i>Materials Letters</i> , 1988 , 6, 317-320	3.3	57

549	Giant Negative Electrocaloric Effect in (Pb,La)(Zr,Sn,Ti)O Antiferroelectrics Near Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11747-11755	9.5	56
548	Direct Observation of Ferroelectric Domains in LiTaO ₃ Using Environmental Scanning Electron Microscopy. <i>Physical Review Letters</i> , 1997 , 79, 2558-2561	7.4	55
547	Complete set of properties of 0.92Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.08PbTiO ₃ single crystal with engineered domains. <i>Materials Letters</i> , 2003 , 57, 1305-1308	3.3	55
546	Defect-induced heterogeneous transformations and thermal growth in athermal martensite. <i>Physical Review B</i> , 1990 , 41, 11319-11327	3.3	54
545	Electroformation of giant unilamellar vesicles using interdigitated ITO electrodes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7125	13	53
544	Flux growth and characterization of lead-free piezoelectric single crystal [Bi _{0.5} (Na _{1-x} K _x) _{0.5}]TiO ₃ . <i>Journal of Crystal Growth</i> , 2005 , 281, 364-369	1.6	53
543	Plane wave propagation in finite 2-2 composites. <i>Journal of Applied Physics</i> , 1995 , 78, 4627-4632	2.5	53
542	Enhanced electromechanical properties and phase transition temperatures in [001] textured Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ternary ceramics. <i>Applied Physics Letters</i> , 2015 , 107, 082902	3.4	52
541	Enhancement of upconversion luminescence of Y ₂ O ₃ :Er ³⁺ nanocrystals by codoping Li ⁺ and Zn ²⁺ . <i>Journal of Alloys and Compounds</i> , 2011 , 509, 409-413	5.7	52
540	A complete set of material properties of single domain 0.26Pb(In ₁₂ Nb ₁₂)O ₃ -0.46Pb(Mg ₁₃ Nb ₂₃)O ₃ -0.28PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2010 , 96, 12907	3.4	51
539	Complete set of elastic, dielectric, and piezoelectric constants of [011] poled rhombohedral Pb(InNb)O-Pb(MgNb)O-PbTiO ₃ :Mn single crystals. <i>Journal of Applied Physics</i> , 2013 , 113, 74106	2.5	50
538	Hall effect and dielectric properties of Mn-doped barium titanate. <i>Microelectronic Engineering</i> , 2003 , 66, 855-859	2.5	50
537	Effective macroscopic symmetries and materials properties of multidomain 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.045PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2002 , 92, 444-448	2.5	49
536	Detection and photodynamic therapy of inflamed atherosclerotic plaques in the carotid artery of rabbits. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 102, 26-31	6.7	48
535	Electromechanical properties and anisotropy of single- and multi-domain 0.72Pb(Mg _{1B} Nb _{2B})O ₃ -0.28PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2011 , 99, 162901-162903	3.4	48
534	Acoustic band-gap engineering using finite-size layered structures of multiple periodicity. <i>Applied Physics Letters</i> , 1999 , 75, 3713-3715	3.4	47
533	The predominant pathway of apoptosis in THP-1 macrophage-derived foam cells induced by 5-aminolevulinic acid-mediated sonodynamic therapy is the mitochondria-caspase pathway despite the participation of endoplasmic reticulum stress. <i>Cellular Physiology and Biochemistry</i> , 2014 , 33, 1789-801	3.9	46
532	Measurements of face shear properties in relaxor-PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 064106	2.5	46

531	Solid-State Reaction Synthesis of a InSe/CuInSe ₂ Lateral p-n Heterojunction and Application in High Performance Optoelectronic Devices. <i>Chemistry of Materials</i> , 2015 , 27, 983-989	9.6	45
530	Low-intensity ultrasound combined with 5-aminolevulinic acid administration in the treatment of human tongue squamous carcinoma. <i>Cellular Physiology and Biochemistry</i> , 2012 , 30, 321-33	3.9	45
529	Acoustic bandgap formation in a periodic structure with multilayer unit cells. <i>Journal Physics D: Applied Physics</i> , 2000 , 33, 1150-1154	3	45
528	Smart materials and structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8330-1	11.5	45
527	NaYbF nanoparticles as near infrared light excited inorganic photosensitizers for deep penetration in photodynamic therapy. <i>Nanoscale</i> , 2017 , 9, 2706-2710	7.7	44
526	1-D helical chain, 2-D layered network and 3-D porous lanthanide-organic frameworks based on multiple coordination sites of benzimidazole-5,6-dicarboxylic acid: synthesis, crystal structure, photoluminescence and thermal stability. <i>CrystEngComm</i> , 2013 , 15, 4489	3.3	44
525	Quantum cutting mechanism in NaYF ₄ :Tb ³⁺ , Yb ³⁺ . <i>Optics Letters</i> , 2012 , 37, 521-3	3	44
524	Numerical simulations of negative-index refraction in wedge-shaped metamaterials. <i>Physical Review E</i> , 2005 , 72, 016607	2.4	44
523	Apoptosis of SAS cells induced by sonodynamic therapy using 5-aminolevulinic acid sonosensitizer. <i>Anticancer Research</i> , 2011 , 31, 39-45	2.3	44
522	Inhibition of VDAC1 prevents Ca ²⁺ -mediated oxidative stress and apoptosis induced by 5-aminolevulinic acid mediated sonodynamic therapy in THP-1 macrophages. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014 , 19, 1712-26	5.4	43
521	Coexistence of multiple positive and negative electrocaloric responses in (Pb, La)(Zr, Sn, Ti)O ₃ single crystal. <i>Applied Physics Letters</i> , 2016 , 108, 082904	3.4	43
520	Formation mechanism of highly [0 0 1] c textured Pb(In 1/2 Nb 1/2)O ₃ -Pb(Mg 1/3 Nb 2/3)O ₃ -PbTiO ₃ relaxor ferroelectric ceramics with giant piezoelectricity. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 1973-1981	6	43
519	A high quality lead-free (Li, Ta) modified (K, Na)NbO ₃ single crystal and its complete set of elastic, dielectric and piezoelectric coefficients with macroscopic 4mm symmetry. <i>CrystEngComm</i> , 2014 , 16, 9828-9833 ⁴²	3.3	42
518	Tuning electrochemical catalytic activity of defective 2D terrace MoSe ₂ heterogeneous catalyst via cobalt doping. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11357-11363	13	41
517	Hysteretic phase transition sequence in 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.33PbTiO ₃ single crystal driven by electric field and temperature. <i>Physical Review B</i> , 2015 , 91,	3.3	41
516	Raman spectroscopy study of ferroelectric modes in [001]-oriented 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.33PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2005 , 86, 252903	3.4	41
515	Enhanced ethanol sensing properties of ultrathin ZnO nanosheets decorated with CuO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 3384-3390	8.5	40
514	Optical temperature sensing in Er ³⁺ -Yb ³⁺ codoped CaWO ₄ and the laser induced heating effect on the luminescence intensity saturation. <i>Journal of Alloys and Compounds</i> , 2017 , 726, 547-555	5.7	40

513	Luminescence and photosensitivity of gadolinium labeled hematoporphyrin monomethyl ether. <i>Optics Express</i> , 2014 , 22, 2414-22	3.3	40
512	Simulation of boundary condition influence in a second-order ferroelectric phase transition. <i>Journal of Applied Physics</i> , 1999 , 86, 5739-5746	2.5	40
511	Domain switching and microcracking during poling of lead zirconate titanate ceramics. <i>Ferroelectrics</i> , 1993 , 145, 271-281	0.6	40
510	Hollow Spherical Nanoshell Arrays of 2D Layered Semiconductor for High-Performance Photodetector Device. <i>Advanced Functional Materials</i> , 2018 , 28, 1705153	15.6	39
509	Field-induced phase transitions and enhanced double negative electrocaloric effects in (Pb,La)(Zr,Sn,Ti)O ₃ antiferroelectric single crystal. <i>Applied Physics Letters</i> , 2018 , 112, 133901	3.4	39
508	Enhance the performance of dye-sensitized solar cells by co-sensitization of 2,6-bis(iminoalkyl)pyridine and N719. <i>RSC Advances</i> , 2013 , 3, 25908	3.7	39
507	Quantum cutting mechanism in Tb ³⁺ -Yb ³⁺ co-doped oxyfluoride glass. <i>Journal of Applied Physics</i> , 2011 , 110, 113503	2.5	39
506	Analysis of shear modes in a piezoelectric vibrator. <i>Journal of Applied Physics</i> , 1998 , 83, 4415-4420	2.5	39
505	Noncontact thermometry based on downconversion luminescence from Eu ³⁺ doped LiNbO ₃ single crystal. <i>Sensors and Actuators A: Physical</i> , 2016 , 238, 215-219	3.9	38
504	Ultraviolet and violet upconversion luminescence in Ho ³⁺ -doped Y ₂ O ₃ ceramic induced by 532-nm CW laser. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1115-1118	5.7	38
503	Phase transition and dielectric properties of nanograin BaTiO ₃ ceramic under high pressure. <i>Applied Physics Letters</i> , 2008 , 92, 242901	3.4	38
502	Superior and coefficients in 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ 0.045PbTiO ₃ and 0.92Pb(Zn _{1/3} Nb _{2/3})O ₃ 0.08PbTiO ₃ single crystals poled along [011]. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 1083-1086	3.9	38
501	Generalized continuum theory for ferroelectric thin films. <i>Physical Review B</i> , 2002 , 66,	3.3	38
500	Transformed material coefficients for single-domain 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.33PbTiO ₃ single crystals under differently defined coordinate systems. <i>Applied Physics Letters</i> , 2004 , 85, 6380-6382	3.4	37
499	Polarization reversal study using ultrasound. <i>Applied Physics Letters</i> , 2001 , 79, 4556-4558	3.4	37
498	Effective material properties in twinned ferroelectric crystals. <i>Journal of Applied Physics</i> , 1999 , 86, 1073-1081	3.7	37
497	Theoretical study on the static performance of piezoelectric ceramic-polymer composites with 2-2 connectivity. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1993 , 40, 103-9	3.2	37
496	5-Aminolevulinic acid-mediated sonodynamic therapy induces anti-tumor effects in malignant melanoma via p53-miR-34a-Sirt1 axis. <i>Journal of Dermatological Science</i> , 2015 , 79, 155-62	4.3	36

495	Oxygen vacancy induces self-doping effect and metalloid LSPR in non-stoichiometric tungsten suboxide synergistically contributing to the enhanced photoelectrocatalytic performance of WO/TiO heterojunction. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17268-17278	3.6	36
494	Multifunctional nanoparticles based on the Nd ³⁺ /Yb ³⁺ codoped NaYF ₄ <i>Optics Letters</i> , 2015 , 40, 5678-81	3	36
493	Dielectric enhancement of sol-gel derived BaTiO ₃ /SrTiO ₃ multilayered thin films. <i>Thin Solid Films</i> , 2002 , 406, 113-117	2.2	36
492	Enhanced NIR-NIR luminescence from CaWO ₄ : Nd ³⁺ /Yb ³⁺ phosphors by Li ⁺ codoping for thermometry and optical heating. <i>Journal of Luminescence</i> , 2019 , 208, 415-423	3.8	36
491	Ultra-large electric field-induced strain in potassium sodium niobate crystals. <i>Science Advances</i> , 2020 , 6, eaay5979	14.3	35
490	Realization of Subwavelength Asymmetric Acoustic Transmission Based on Low-Frequency Forbidden Transmission. <i>Physical Review Applied</i> , 2016 , 5,	4.3	35
489	Significantly Enhanced Energy-Harvesting Performance and Superior Fatigue-Resistant Behavior in [001]-Textured BaTiO ₃ -Based Lead-Free Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31488-31497	9.5	35
488	A UV light enhanced TiO ₂ /graphene device for oxygen sensing at room temperature. <i>RSC Advances</i> , 2013 , 3, 22185	3.7	35
487	Luminescent La ₂ O ₂ S:Eu ³⁺ nanoparticles as non-contact optical temperature sensor in physiological temperature range. <i>Materials Letters</i> , 2015 , 143, 98-100	3.3	35
486	Apoptosis of THP-1 macrophages induced by protoporphyrin IX-mediated sonodynamic therapy. <i>International Journal of Nanomedicine</i> , 2013 , 8, 2239-46	7.3	35
485	Characterization of single domain Pb(In _{0.5} Nb _{0.5})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystals with monoclinic phase. <i>Journal of Applied Physics</i> , 2011 , 110, 064108	2.5	35
484	Elastic, dielectric and piezoelectric characterization of single domain PIN-PMN-PT: Mn crystals. <i>Journal of Applied Physics</i> , 2012 , 112, 124113	2.5	35
483	Interweaving domain configurations in [001]-poled rhombohedral phase 0.68Pb(Mg _{1/3} Nb _{2/3})O ₃ .32PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2003 , 83, 2040-2042	3.4	35
482	Oxygen-related dielectric relaxation and leakage characteristics of Pt/(Ba,Sr)TiO ₃ /Pt thin-film capacitors. <i>Applied Physics Letters</i> , 2002 , 80, 2538-2540	3.4	35
481	Enhanced Piezoelectric Effect Derived from Grain Boundary in MoS Monolayers. <i>Nano Letters</i> , 2020 , 20, 201-207	11.5	35
480	Landau expansion parameters for BaTiO ₃ . <i>Journal of Applied Physics</i> , 2013 , 114, 224106	2.5	34
479	Characterization of piezoelectric materials using ultrasonic and resonant techniques 1998 , 3341, 154		34
478	Large field-induced strain, giant strain memory effect, and high thermal stability energy storage in (Pb,La)(Zr,Sn,Ti)O ₃ antiferroelectric single crystal. <i>Acta Materialia</i> , 2018 , 148, 28-37	8.4	33

- 477 5-Aminolevulinic Acid-Mediated Sonodynamic Therapy Inhibits RIPK1/RIPK3-Dependent Necroptosis in THP-1-Derived Foam Cells. *Scientific Reports*, **2016**, 6, 21992 4.9 33
- 476 794 nm excited core-shell upconversion nanoparticles for optical temperature sensing. *RSC Advances*, **2016**, 6, 11795-11801 3.7 33
- 475 Phase Diagram and Enhanced Piezoelectric Response of Lead-Free BaTiO₃/LaTiO₃/BaHfO₃ System. *Journal of the American Ceramic Society*, **2014**, 97, 3244-3251 3.8 33
- 474 Effects of Mn doping on multiferroic and magnetocapacitive properties of 0.33Ba_{0.70}Ca_{0.30}TiO₃/0.67BiFeO₃ diphasic ceramics. *Journal of Alloys and Compounds*, **2014**, 590, 346-354 5.7 33
- 473 Complete set of material constants of single domain (K, Na)(Nb, Ta)O single crystal and their orientation dependence. *Applied Physics Letters*, **2014**, 105, 212902 3.4 33
- 472 Potentiation of scutellarin on human tongue carcinoma xenograft by low-intensity ultrasound. *PLoS ONE*, **2013**, 8, e59473 3.7 33
- 471 Enhancement of anti-tumor effects of 5-fluorouracil on hepatocellular carcinoma by low-intensity ultrasound. *Journal of Experimental and Clinical Cancer Research*, **2016**, 35, 71 12.8 32
- 470 Electric field induced metastable ferroelectric phase and its behavior in (Pb, La)(Zr, Sn, Ti)O₃ antiferroelectric single crystal near morphotropic phase boundary. *Applied Physics Letters*, **2014**, 104, 052912 3.4 32
- 469 Soft-lithographic processed soluble micropatterns of reduced graphene oxide for wafer-scale thin film transistors and gas sensors. *Journal of Materials Chemistry*, **2012**, 22, 714-718 3.2 32
- 468 Optimization of piezoelectric properties for [001](c) poled 0.94Pb(Zn₁₃Nb₂₃)O₃-0.06PbTiO₃ single crystals. *Applied Physics Letters*, **2010**, 96, 92902 3.4 32
- 467 Characterization of the performance of 1B type piezocomposites for low-frequency applications. *Journal of Applied Physics*, **1993**, 73, 1403-1410 2.5 32
- 466 Fluorescence intensity ratio method for temperature sensing. *Optics Letters*, **2015**, 40, 4544-7 3 31
- 465 Morphology-controlled synthesis of Ag nanoparticle decorated poly(o-phenylenediamine) using microfluidics and its application for hydrogen peroxide detection. *Chemical Engineering Journal*, **2015**, 268, 102-108 14.7 31
- 464 Alumina/epoxy nanocomposite matching layers for high-frequency ultrasound transducer application. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2009**, 56, 213-9 3.2 31
- 463 Optical thermometry based on the red upconversion fluorescence of Er³⁺ in CaWO₄:Yb³⁺/Er³⁺ polycrystalline powder. *Optics Letters*, **2016**, 41, 1458-61 3 31
- 462 Growth and properties of Li, Ta modified (K,Na)NbO₃ lead-free piezoelectric single crystals. *Physica Status Solidi - Rapid Research Letters*, **2014**, 8, 86-90 2.5 30
- 461 Complete matrix properties of [001](c) and [011](c) poled 0.33Pb(In_{1/2}Nb_{1/2})O₃-0.38Pb(Mg_{1/3}Nb_{2/3})O₃-0.29PbTiO₃ single crystals. *Journal of Alloys and Compounds*, **2013**, 553, 267-269 5.7 30
- 460 Sonodynamic effect of an anti-inflammatory agent--emodin on macrophages. *Ultrasound in Medicine and Biology*, **2011**, 37, 1478-85 3.5 30

459	Influence of gas inertia and edge effect on squeeze film in near field acoustic levitation. <i>Applied Physics Letters</i> , 2010 , 96, 243507	3.4	30
458	Influence of Yb ³⁺ concentration on upconversion luminescence of Ho ³⁺ . <i>Optics Communications</i> , 2011 , 284, 1053-1056	2	30
457	Face shear piezoelectric properties of relaxor-PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2011 , 98, 182903	3.4	30
456	Evaluation of a web-based intervention for improving HIV/AIDS knowledge in rural Yunnan, China. <i>Aids</i> , 2007 , 21 Suppl 8, S137-42	3.5	30
455	Aspect ratio dependence of electromechanical coupling coefficient of piezoelectric resonators. <i>Applied Physics Letters</i> , 2005 , 87, 132901	3.4	30
454	In-situ observation of the domain configurations during the phase transitions in barium titanate. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1996 , 74, 25-36		30
453	Electromechanical properties of Mn-doped Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ piezoelectric ceramics. <i>Ceramics International</i> , 2016 , 42, 15332-15337	5.1	30
452	Ambipolar ferromagnetism by electrostatic doping of a manganite. <i>Nature Communications</i> , 2018 , 9, 1897	17.4	30
451	Characterization of full set material constants of piezoelectric materials based on ultrasonic method and inverse impedance spectroscopy using only one sample. <i>Journal of Applied Physics</i> , 2013 , 114, 104505	2.5	29
450	Rapid stabilisation of atherosclerotic plaque with 5-aminolevulinic acid-mediated sonodynamic therapy. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 793-803	7	29
449	Size dependence of domain patterns in a constrained ferroelectric system. <i>Journal of Applied Physics</i> , 2001 , 89, 8105-8109	2.5	29
448	Coercive field of 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ ·0.045PbTiO ₃ single crystal and its frequency dependence. <i>Applied Physics Letters</i> , 2002 , 80, 1043-1045	3.4	29
447	Anisotropy in domain engineered 0.92Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.08PbTiO ₃ single crystal and analysis of its property fluctuations. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2002 , 49, 1622-7	3.2	29
446	Water-soluble gadolinium porphyrin as a multifunctional theranostic agent: Phosphorescence-based oxygen sensing and photosensitivity. <i>Dyes and Pigments</i> , 2017 , 142, 465-471	4.6	28
445	Ultrahigh energy harvesting properties in textured lead-free piezoelectric composites. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3603-3611	13	28
444	Temperature and electric-field induced phase transitions, and full tensor properties of [011] -poled domain-engineered tetragonal 0.63Pb(MgNb)-0.37PbTiO single crystals. <i>Physical Review B</i> , 2016 , 93,	3.3	28
443	A simple modification of near-infrared photon-to-electron response with fluorescence resonance energy transfer for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 264, 254-261	8.9	28
442	Temperature dependence of electric-field-induced domain switching in 0.7Pb(MgNb)O-0.3PbTiO single crystal. <i>Journal of Alloys and Compounds</i> , 2012 , 527, 101-105	5.7	28

441	The Ratio of Rhombohedral and Tetragonal Phases on the Morphotropic Phase Boundary in Lead Zirconate Titanate. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, 1399-1402	1.4	28
440	Quasi-one-dimensional solutions for domain walls and their constraints in improper ferroelastics. <i>Physical Review B</i> , 1990 , 42, 6396-6401	3.3	28
439	Apoptosis of THP-1 derived macrophages induced by sonodynamic therapy using a new sonosensitizer hydroxyl acetylated curcumin. <i>PLoS ONE</i> , 2014 , 9, e93133	3.7	28
438	Upconversion nanoparticle-mediated photodynamic therapy induces THP-1 macrophage apoptosis via ROS bursts and activation of the mitochondrial caspase pathway. <i>International Journal of Nanomedicine</i> , 2015 , 10, 3719-36	7.3	27
437	Effects of sintering temperature and poling conditions on the electrical properties of Ba _{0.70} Ca _{0.30} TiO ₃ diphasic piezoelectric ceramics. <i>Ceramics International</i> , 2013 , 39, 2967-2973	5.1	27
436	Hematoporphyrin monomethyl ether-mediated photodynamic effects on THP-1 cell-derived macrophages. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 101, 9-15	6.7	27
435	Electromechanical coupling coefficient of an ultrasonic array element. <i>Journal of Applied Physics</i> , 2006 , 99, 074102	2.5	27
434	Elastic, Dielectric and Piezoelectric Coefficients of Domain Engineered 0.70Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.30PbTiO ₃ Single Crystal. <i>AIP Conference Proceedings</i> , 2002 ,	0	27
433	Elastic constants of KMnF ₃ as functions of temperature and pressure. <i>Physical Review B</i> , 1988 , 38, 7947-7958	3.58	27
432	Antiproliferative and Apoptosis-inducing Effect of exo-Protoporphyrin IX based Sonodynamic Therapy on Human Oral Squamous Cell Carcinoma. <i>Scientific Reports</i> , 2017 , 7, 40967	4.9	26
431	Large electrostrictive effect and high energy storage performance of Pr ³⁺ -doped PIN-PMN-PT multifunctional ceramics in the ergodic relaxor phase. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4060-4069	6	26
430	High-Performance [001] _c -Textured PNN-PZT Relaxor Ferroelectric Ceramics for Electromechanical Coupling Devices. <i>Advanced Functional Materials</i> , 2020 , 30, 2001846	15.6	26
429	Patterned Growth of P-Type MoS ₂ Atomic Layers Using Sol-Gel as Precursor. <i>Advanced Functional Materials</i> , 2016 , 26, 6371-6379	15.6	26
428	Temperature dependence of dielectric and electromechanical properties of (K,Na)(Nb,Ta)O single crystal and corresponding domain structure evolution. <i>Journal of Applied Physics</i> , 2014 , 116, 044105	2.5	26
427	Tunable passband in one-dimensional phononic crystal containing a piezoelectric 0.62Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.38PbTiO ₃ single crystal defect layer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 60, 37-41	3	26
426	Improved thermal stability of [0 0 1] _c poled 0.24Pb(In _{1/2} Nb _{1/2})O ₃ 0.47Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.29PbTiO ₃ single crystal with manganese doping. <i>Journal of Alloys and Compounds</i> , 2014 , 601, 154-157	5.7	26
425	The sonodynamic effect of curcumin on THP-1 cell-derived macrophages. <i>BioMed Research International</i> , 2013 , 2013, 737264	3	26
424	Influence of manganese doping to the full tensor properties of 0.24Pb(InNb)O-0.47Pb(MgNb)O-0.29PbTiO single crystals. <i>Journal of Applied Physics</i> , 2013 , 113, 74108	2.5	26

423	Porous Ultrathin NiSe Nanosheet Networks on Nickel Foam for High-Performance Hybrid Supercapacitors. <i>ChemSusChem</i> , 2020 , 13, 260-266	8.3	26
422	Temperature induced phase transformations and negative electrocaloric effect in (Pb,La)(Zr,Sn,Ti)O ₃ antiferroelectric single crystal. <i>Journal of Applied Physics</i> , 2017 , 122, 154101	2.5	25
421	Mechanical-force-induced non-local collective ferroelastic switching in epitaxial lead-titanate thin films. <i>Nature Communications</i> , 2019 , 10, 3951	17.4	25
420	Rapid inhibition of atherosclerotic plaque progression by sonodynamic therapy. <i>Cardiovascular Research</i> , 2019 , 115, 190-203	9.9	25
419	From two-dimensional trapezoid-like layer to three-dimensional porous indium-4,4'-biphenyldicarboxylate MOFs. <i>CrystEngComm</i> , 2012 , 14, 193-199	3.3	25
418	Complete set of material properties of single domain 0.24Pb(In ₁₀ Nb ₁₀)O ₃ -0.49Pb(Mg ₁₀ Nb ₂₀)O ₃ -0.27PbTiO ₃ single crystal and the orientation effects. <i>Applied Physics Letters</i> , 2011 , 99, 32901-329013	3.4	25
417	Optical interband transitions in relaxor-based ferroelectric 0.93Pb(Zn ₁₃ Nb ₂₃)O ₃ -0.07PbTiO ₃ single crystal. <i>Journal of Applied Physics</i> , 2010 , 107, 113532	2.5	25
416	Effect of surface induced nucleation of ferroelastic domains on polarization switching in constrained ferroelectrics. <i>Journal of Applied Physics</i> , 2003 , 93, 537-544	2.5	25
415	Inhibitory effect of aloe emodin mediated photodynamic therapy on human oral mucosa carcinoma in vitro and in vivo. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 97, 697-707	7.5	25
414	Electric field induced phase transition and domain structure evolution in (Pb, La)(Zr, Sn, Ti)O ₃ single crystal. <i>Applied Physics Letters</i> , 2015 , 107, 072909	3.4	24
413	Enhanced Multiferroic and Magnetocapacitive Properties of (1-x)Ba _{0.7} Ca _{0.3} TiO ₃ -xBiFeO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 816-825	3.8	24
412	Phase transition behavior and high piezoelectric properties in lead-free BaTiO ₃ -xTiO ₃ -BaHfO ₃ ceramics. <i>Journal of Materials Science</i> , 2014 , 49, 62-69	4.3	24
411	Conductive upconversion Er,Yb-FTO nanoparticle coating to replace Pt as a low-cost and high-performance counter electrode for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8223-9	9.5	24
410	Three new metal-organic frameworks based on 2-propyl-1H-imidazole-4,5-dicarboxylate: Synthesis, crystal structure and luminescent properties. <i>Polyhedron</i> , 2012 , 33, 90-96	2.7	24
409	Effects of 5-aminolevulinic acid-mediated sonodynamic therapy on macrophages. <i>International Journal of Nanomedicine</i> , 2013 , 8, 669-76	7.3	24
408	Femtosecond pulsed laser induced synthesis of ultrafine Y ₂ O ₃ : Pr, Yb nanoparticles with improved upconversion efficiency. <i>Chemical Physics Letters</i> , 2010 , 496, 316-320	2.5	24
407	Piezoelectric response of engineered domains in ferroelectrics. <i>Applied Physics Letters</i> , 2004 , 84, 3450-3452	3.5	24
406	Photophysical properties, singlet oxygen generation efficiency and cytotoxic effects of aloe emodin as a blue light photosensitizer for photodynamic therapy in dermatological treatment. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 1088-1094	4.2	23

405	Luminescence ratiometric oxygen sensor based on gadolinium labeled porphyrin and filter paper. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 405-411	8.5	23
404	Quantitative monitoring of the level of singlet oxygen using luminescence spectra of phosphorescent photosensitizer. <i>Optics Express</i> , 2015 , 23, 22991-3003	3.3	23
403	Oxygen sensing properties of gadolinium labeled hematoporphyrin monomethyl ether based on filter paper. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 351-356	8.5	23
402	Temperature dependence of self-consistent full matrix material constants of lead zirconate titanate ceramics. <i>Applied Physics Letters</i> , 2015 , 106, 052902	3.4	23
401	Based on Cu(II) silicotungstate modified photoanode with long electron lifetime and enhanced performance in dye sensitized solar cells. <i>Journal of Power Sources</i> , 2015 , 278, 527-533	8.9	23
400	Low-temperature sol-gel-derived nanosilver-embedded silane coating as biofilm inhibitor. <i>Nanotechnology</i> , 2011 , 22, 155602	3.4	23
399	Phase transitions and domain evolution in (Pb, La)(Zr, Sn, Ti)O ₃ single crystal. <i>Applied Physics Letters</i> , 2012 , 101, 132904	3.4	23
398	Origin of piezoelectric response under a biased scanning probe microscopy tip across a 180° ferroelectric domain wall. <i>Physical Review B</i> , 2012 , 86,	3.3	23
397	Permissible symmetries of multi-domain configurations in perovskite ferroelectric crystals. <i>Journal of Applied Physics</i> , 2003 , 94, 3436-3445	2.5	23
396	Ferroelectric properties of neodymium-doped Bi ₄ Ti ₃ O ₁₂ thin films crystallized in different environments. <i>Thin Solid Films</i> , 2005 , 471, 35-39	2.2	23
395	5-Aminolevulinic Acid-Based Sonodynamic Therapy Induces the Apoptosis of Osteosarcoma in Mice. <i>PLoS ONE</i> , 2015 , 10, e0132074	3.7	23
394	Phase coexistence and domain configuration in Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.34PbTiO ₃ single crystal revealed by synchrotron-based X-ray diffractive three-dimensional reciprocal space mapping and piezoresponse force microscopy. <i>Applied Physics Letters</i> , 2016 , 108, 152905	3.4	23
393	Field induced phase transitions and energy harvesting performance of (Pb,La)(Zr,Sn,Ti)O ₃ single crystal. <i>Journal of Applied Physics</i> , 2017 , 121, 064104	2.5	22
392	Temperature and frequency dependence of the coercive field of 0.71PbMg _{1/3} Nb _{2/3} O ₃ 0.29PbTiO ₃ relaxor-based ferroelectric single crystal. <i>Applied Physics Letters</i> , 2017 , 111, 172902	3.4	22
391	Sinoporphyrin sodium based sonodynamic therapy induces anti-tumor effects in hepatocellular carcinoma and activates p53/caspase 3 axis. <i>International Journal of Biochemistry and Cell Biology</i> , 2019 , 113, 104-114	5.6	22
390	Origin of Improvement in Mechanical Quality Factor in Acceptor-Doped Relaxor-Based Ferroelectric Single Crystals. <i>Physical Review Applied</i> , 2018 , 9,	4.3	22
389	N,N'-Bis((6-methoxypyridin-2-yl)methylene)-p-phenylenediimine based d(10) transition metal complexes and their utilization in co-sensitized solar cells. <i>Dalton Transactions</i> , 2014 , 43, 11361-70	4.3	22
388	Photocurrent enhanced dye-sensitized solar cells based on TiO ₂ loaded K ₆ SiW ₁₁ O ₃₉ Co(II)(H ₂ O) ₂ ·xH ₂ O photoanode materials. <i>Dalton Transactions</i> , 2014 , 43, 1577-82	4.3	22

387	Incident fluence dependent morphologies, photoluminescence and optical oxygen sensing properties of ZnO nanorods grown by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2557-2562	7.1	22
386	Synthesis, crystal structures and properties of lanthanide-organic frameworks based benzene carboxylates with two/three-dimensional structure. <i>Journal of Solid State Chemistry</i> , 2012 , 196, 441-450	3.3	22
385	Nonlinear properties of lead zirconate titanate piezoceramics. <i>Journal of Applied Physics</i> , 2000 , 88, 6684-6689	6.8	22
384	Characterization of lead zirconate titanate piezoceramic using high frequency ultrasonic spectroscopy. <i>Journal of Applied Physics</i> , 1999 , 85, 8083-8091	2.5	22
383	Glass-bonded composites containing superconducting YBa ₂ Cu ₃ O _{7-x} for levitation and magnetic shielding applications. <i>Materials Research Bulletin</i> , 1988 , 23, 623-630	5.1	22
382	A precise Boltzmann distribution law for the fluorescence intensity ratio of two thermally coupled levels. <i>Applied Physics Letters</i> , 2016 , 108, 241907	3.4	22
381	White-light-emitting properties of SrTiO ₃ :Pr ³⁺ nanoparticles. <i>RSC Advances</i> , 2015 , 5, 27491-27495	3.7	21
380	Mn doping effects on electric properties of 0.93(Bi _{0.5} Na _{0.5})TiO ₃ -0.07Ba(Ti _{0.945} Zr _{0.055})O ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2996-3004	3.8	21
379	5-Aminolevulinic acid-mediated sonodynamic therapy reverses macrophage and dendritic cell passivity in murine melanoma xenografts. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 2125-33	3.5	21
378	Phase transition, microstructure and electrical properties of Fe doped Ba _{0.70} Ca _{0.30} TiO ₃ lead-free piezoelectric ceramics. <i>Ceramics International</i> , 2013 , 39, 8701-8708	5.1	21
377	Phase coexistence and Landau expansion parameters for a 0.70Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.30PbTiO ₃ single crystal. <i>Physical Review B</i> , 2017 , 96,	3.3	21
376	Photoluminescence and Temperature Dependent Electrical Properties of Er-Doped 0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06BaTiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3877-3882	3.8	21
375	A face-shear mode single crystal ultrasonic motor. <i>Applied Physics Letters</i> , 2013 , 102, 183512	3.4	21
374	Modeling and experimental study on near-field acoustic levitation by flexural mode. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 2679-85	3.2	21
373	Electromechanical properties of fine-grain, 0.7 Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ ceramics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004 , 51, 908-12	3.2	21
372	. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1994 , 41, 556-564	3.2	21
371	Grain-Oriented Ferroelectric Ceramics with Single-Crystal-like Piezoelectric Properties and Low Texture Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38415-38424	9.5	21
370	The efficacy and mechanism of apoptosis induction by hypericin-mediated sonodynamic therapy in THP-1 macrophages. <i>International Journal of Nanomedicine</i> , 2015 , 10, 821-38	7.3	20

- 369 Pr³⁺-Doped (K_{0.5}Na_{0.5})NbO₃ as a high response optical oxygen sensing agent. *Journal of Materials Chemistry C*, **2016**, 4, 11508-11513 7.1 20
- 368 Ratiometric dissolved oxygen sensitive indicator based on lutetium labeled hematoporphyrin monomethyl ether with balanced phosphorescence and fluorescence dual emission. *Sensors and Actuators B: Chemical*, **2016**, 231, 539-546 8.5 20
- 367 Sonodynamic effects of hematoporphyrin monomethyl ether on *Staphylococcus aureus* in vitro. *FEMS Microbiology Letters*, **2014**, 361, 174-80 2.9 20
- 366 Morphotropic phase boundary and electric properties in (1-x)Bi_{0.5}Na_{0.5}TiO₃-xBiCoO₃ lead-free piezoelectric ceramics. *Journal of Applied Physics*, **2012**, 111, 124113 2.5 20
- 365 Electromechanical nonlinearity of ferroelectric ceramics and related non-180° domain wall motions. *Ferroelectrics*, **1993**, 139, 25-49 0.6 20
- 364 Continuum theory of 4mm-2mm proper ferroelastic transformation under inhomogeneous stress. *Physical Review B*, **1990**, 42, 4334-4340 3.3 20
- 363 Temperature and concentration effects on upconversion photoluminescence properties of Ho³⁺ and Yb³⁺ codoped 0.67Pb(Mg_{1/3}Nb_{2/3})O₃·0.33PbTiO₃ multifunctional ceramics. *Ceramics International*, **2016**, 42, 11309-11313 5.1 20
- 362 Thermal and electromechanical properties of melilite-type piezoelectric single crystals. *Journal of Applied Physics*, **2015**, 117, 064106 2.5 19
- 361 Improved green upconversion emissions from CaWO₄: Er³⁺-Yb³⁺ by Cr³⁺ codoping for optical thermometry. *Journal of Luminescence*, **2019**, 215, 116617 3.8 19
- 360 Metallic tungsten carbide nanoparticles as a near-infrared-driven photocatalyst. *Journal of Materials Chemistry A*, **2019**, 7, 18538-18546 13 19
- 359 Effect of A-site La³⁺-modified on dielectric and energy storage properties in lead zirconate stannate titanate ceramics. *Materials Research Express*, **2014**, 1, 045501 1.7 19
- 358 High efficiency co-sensitized solar cell based on luminescent lanthanide complexes with pyridine-2,6-dicarboxylic acid ligands. *Dalton Transactions*, **2012**, 41, 10619-25 4.3 19
- 357 Influence of imperfect surface on properties of ferroelectric thin film. *Microelectronic Engineering*, **2003**, 66, 818-824 2.5 19
- 356 Dielectric relaxation of shallow donor in polycrystalline Mn-doped ZnO. *Journal of Applied Physics*, **2003**, 93, 4097-4103 2.5 19
- 355 Finite element study on 1-D array transducer design. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2000**, 47, 949-55 3.2 19
- 354 Directional Acoustic Wave Manipulation by a Porpoise via Multiphase Forehead Structure. *Physical Review Applied*, **2017**, 8, 4.3 19
- 353 Intrinsic Dipole Coupling in 2D van der Waals Ferroelectrics for Gate-Controlled Switchable Rectifier. *Advanced Electronic Materials*, **2020**, 6, 1900975 6.4 19
- 352 ZnO nanorod array grown on Ag layer: a highly efficient fluorescence enhancement platform. *Scientific Reports*, **2015**, 5, 8152 4.9 18

351	Fatigue-free La-modified PbTiO ₃ thin films prepared by pulsed-laser deposition on Pt/Ti/SiO ₂ /Si substrates. <i>Applied Physics Letters</i> , 2003 , 82, 1449-1451	3.4	18
350	Effective symmetry and physical properties of twinned perovskite ferroelectric single crystals. <i>Journal of Materials Research</i> , 2001 , 16, 570-577	2.5	18
349	Distribution functions of coexisting phases in a complete solid solution system. <i>Journal of Applied Physics</i> , 1993 , 73, 3250-3255	2.5	18
348	Frequency dependence of the coercive field of 0.71Pb(MgNb)O-0.29PbTiO single crystal from 0.01 Hz to 5 MHz. <i>Applied Physics Letters</i> , 2017 , 110, 202904	3.4	17
347	Phase transitional behavior and electrical properties of Pb(In _{1/2} Nb _{1/2})O ₃ Pb(Mg _{1/3} Nb _{2/3})O ₃ PbTiO ₃ ternary ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1874-1880	2.1	17
346	Comparison study on the influence of the central metal ions in palladium(II)- and gadolinium(III)-porphyrins for phosphorescence-based oxygen sensing. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9581-9587	7.1	17
345	Relaxation behavior in 0.24Pb(In _{1/2} Nb _{1/2})O ₃ 0.49Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.27PbTiO ₃ ferroelectric single crystal. <i>Ceramics International</i> , 2016 , 42, 4893-4898	5.1	17
344	Theoretical study on local domain pinning effect due to defect dipole alignment. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 415303	3	17
343	Monochromatic Near-Infrared to Near-Infrared Upconversion Nanoparticles for High-Contrast Fluorescence Imaging. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2820-2825	3.8	17
342	Controlling the hydrothermal growth and the properties of ZnO nanorod arrays by pre-treating the seed layer. <i>RSC Advances</i> , 2014 , 4, 44452-44456	3.7	17
341	Optical interband transitions in [111] poled relaxor-based ferroelectric 0.24Pb(InNb)O-(0.76 -)Pb(MgNb)O-PbTiO single crystal. <i>Journal of Materials Science</i> , 2012 , 47, 2818-2822	4.3	17
340	Effect of Mn-doping on dielectric relaxation behavior of Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ferroelectric ceramics. <i>Ceramics International</i> , 2017 , 43, 16819-16826	5.1	17
339	Er ³⁺ doped ferroelectric Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.25PbTiO ₃ ceramic used as a linear response fluorescent temperature sensor. <i>Journal of Luminescence</i> , 2017 , 181, 128-132	3.8	17
338	Modeling characterization and optimization design for PZT transducer used in Near Field Acoustic Levitation. <i>Sensors and Actuators A: Physical</i> , 2011 , 171, 260-265	3.9	17
337	Intense red upconversion luminescence from Tm ³⁺ /Yb ³⁺ codoped transparent glass ceramic. <i>Optics Letters</i> , 2012 , 37, 205-7	3	17
336	Guided wave propagation in 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.33PbTiO ₃ single crystal plate poled along [001]c. <i>Applied Physics Letters</i> , 2007 , 91, 102907	3.4	17
335	Silicon oxide colloidal/polymer nanocomposite films. <i>Applied Physics Letters</i> , 2004 , 85, 5998-6000	3.4	17
334	The elastic and piezoelectric properties of tungsten bronze ferroelectric crystals (Sr _{0.7} Ba _{0.3}) ₂ NaNb ₅ O ₁₅ and (Sr _{0.3} Ba _{0.7}) ₂ NaNb ₅ O ₁₅ . <i>Journal of Applied Physics</i> , 2005 , 97, 094106	2.5	17

333	A transmission electron microscopy investigation of the R3m -R3c phase transition in Pb(Zr,Ti)O ₃ ceramics. <i>Solid State Communications</i> , 1993 , 85, 193-195	1.6	17
332	Growth and property characterization of CaNdGa ₃ O ₇ and SrNdGa ₃ O ₇ melilite single crystals. <i>CrystEngComm</i> , 2015 , 17, 1791-1799	3.3	16
331	Densification behavior and electrical properties of CuO-doped Pb(In _{1/2} Nb _{1/2})O ₃ Pb(Mg _{1/3} Nb _{2/3})O ₃ PbTiO ₃ ternary ceramics. <i>Ceramics International</i> , 2016 , 42, 7223-7229	5.1	16
330	Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. <i>Nanoscale</i> , 2019 , 11, 14322-14329	7.7	16
329	A biomimetic projector with high subwavelength directivity based on dolphin biosonar. <i>Applied Physics Letters</i> , 2014 , 105, 123502	3.4	16
328	Piezoelectric response of charged non-180° domain walls in ferroelectric ceramics. <i>Journal of Applied Physics</i> , 2012 , 111, 024106	2.5	16
327	Temperature dependence of third-order elastic constants of potassium manganese fluoride. <i>Physical Review B</i> , 1988 , 38, 10244-10255	3.3	16
326	Mechanism of Gadolinium Doping Induced Room-Temperature Phosphorescence from Porphyrin. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10558-10563	3.8	15
325	Doxorubicin combined with low intensity ultrasound suppresses the growth of oral squamous cell carcinoma in culture and in xenografts. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017 , 36, 163	12.8	15
324	Origin of large electrostrain in Sn ⁴⁺ doped Ba(Zr _{0.2} Ti _{0.8})O _{3-x} (Ba _{0.7} Ca _{0.3})TiO ₃ ceramics. <i>Acta Materialia</i> , 2018 , 157, 155-164	8.4	15
323	Bactericidal effects of hematoporphyrin monomethyl ether-mediated photosensitization against pathogenic communities from supragingival plaque. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 5079-87	5.7	15
322	Thermoelectric Response Driven by Spin-State Transition in La _{1-x} Ce _x CoO ₃ Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2213-2217	9.5	15
321	Piezoelectric properties of domain engineered barium titanate single crystals with different volume fractions of domain walls. <i>Journal of Applied Physics</i> , 2009 , 106, 64102	2.5	15
320	Constructing Landau-Ginzburg-Devonshire Type Models for Ferroelectric Systems Based on Symmetry. <i>Ferroelectrics</i> , 2008 , 375, 28-39	0.6	15
319	Dielectric anomalies in [111] oriented 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ 0.045PbTiO ₃ single crystals under different electrical and thermal conditions. <i>Journal of Applied Physics</i> , 2004 , 95, 8124-8129	2.5	15
318	Anti-Stokes excited Er ³⁺ /Yb ³⁺ codoped oxyfluoride glass ceramic for luminescence thermometry. <i>Journal of Luminescence</i> , 2018 , 203, 401-408	3.8	15
317	Dielectric, elastic and piezoelectric properties of SrLaGa ₃ O ₇ and BaLaGa ₃ O ₇ crystals with Melilite structure. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 1069-1074	5.7	14
316	Theoretical study on phase coexistence in ferroelectric solid solutions near the tricritical point. <i>Journal of Applied Physics</i> , 2015 , 117, 134101	2.5	14

3 ¹⁵	Enhanced Energy Storage with Polar Vortices in Ferroelectric Nanocomposites. <i>Physical Review Applied</i> , 2017 , 8,	4.3	14
3 ¹⁴	Experimental investigation on the upconversion mechanism of 754nm NIR luminescence of Ho ³⁺ /Yb ³⁺ :Y ₂ O ₃ , Gd ₂ O ₃ under 976nm diode laser excitation. <i>Journal of Luminescence</i> , 2011 , 131, 190-193	3.8	14
3 ¹³	Enhancing upconversion emissions of NaTm _{0.02} Yb _x Y _{0.98-x} F ₄ nanocrystals through increasing Yb ³⁺ doping. <i>Journal of Luminescence</i> , 2011 , 131, 1802-1806	3.8	14
3 ¹²	Investigation on upconversion photoluminescence of Bi ₃ TiNbO ₉ :Er ³⁺ :Yb ³⁺ thin films. <i>Journal of Luminescence</i> , 2011 , 131, 2574-2578	3.8	14
3 ¹¹	Switching Mechanism in Single Crystal 0.955Pb(Zn 1/3 Nb 2/3)O ₃ -0.045PbTiO ₃ . <i>Ferroelectrics</i> , 2003 , 290, 107-114	0.6	14
3 ¹⁰	Determination of full set material constants of piezoceramics from phase velocities. <i>Journal of Applied Physics</i> , 2002 , 92, 4578-4583	2.5	14
3 ⁰⁹	Development and evaluation of the polymerase chain reaction method for diagnosis of Mycoplasma gallisepticum infection in chickens. <i>Molecular and Cellular Probes</i> , 1993 , 7, 459-63	3.3	14
3 ⁰⁸	Theory on the fringe patterns in the study of ferroelectric domain walls using electron holography. <i>Solid State Communications</i> , 1993 , 86, 435-439	1.6	14
3 ⁰⁷	Influence of phase transitions on green fluorescence intensity ratio in Er ³⁺ doped K _{0.5} Na _{0.5} NbO ₃ ceramic. <i>Optics Express</i> , 2016 , 24, 29209-29215	3.3	14
3 ⁰⁶	Local twin domains and tip-voltage-induced domain switching of monoclinic MC phase in Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.34PbTiO ₃ single crystal revealed by piezoresponse force microscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	14
3 ⁰⁵	Electric field and frequency dependent scaling behavior of dynamic hysteresis in relaxor-based ferroelectric 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.29PbTiO ₃ single crystal. <i>Journal of Alloys and Compounds</i> , 2019 , 775, 435-440	5.7	14
3 ⁰⁴	High-quality K _{0.47} Na _{0.53} NbO ₃ single crystal toward high performance transducer. <i>RSC Advances</i> , 2017 , 7, 7003-7007	3.7	13
3 ⁰³	Improved densification behavior and energy harvesting properties of low-temperature sintered (Ba, Ca)(Zr, Ti)O ₃ piezoceramics with a CuO additive. <i>Ceramics International</i> , 2019 , 45, 10518-10524	5.1	13
3 ⁰²	Enhanced electric field induced strain in (1-x)((Bi _{0.5} Na _{0.5})TiO ₃ -Ba(Ti, Zr)O ₃)-xSrTiO ₃ ceramics. <i>Ceramics International</i> , 2018 , 44, 12869-12876	5.1	13
3 ⁰¹	Small molecule inhibitor of c-Met (PHA665752) suppresses the growth of ovarian cancer cells and reverses cisplatin resistance. <i>Tumor Biology</i> , 2016 , 37, 7843-52	2.9	13
3 ⁰⁰	Structural Evolving Sequence and Porous Ba ₆ Zr ₂ Nb ₈ O ₃₀ Ferroelectric Ceramics with Ultrahigh Breakdown Field and Zero Strain. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 555-560	3.8	13
2 ⁹⁹	Formation mechanism of (001) oriented perovskite SrTiO ₃ microplatelets synthesized by topochemical microcrystal conversion. <i>Inorganic Chemistry</i> , 2014 , 53, 11060-7	5.1	13
2 ⁹⁸	Complete set of material properties of [011](c) poled 0.24Pb(In(1/2)Nb(1/2))O ₃ -0.46Pb(Mg(1/3)Nb(2/3))O ₃ -0.30PbTiO ₃ single crystal. <i>Materials Letters</i> , 2011 , 65, 2855-2857	3.3	13

297	Theoretical study on guided wave propagation in $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ ($x=0.29$ and 0.33) single crystal plates. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 095411	3	13
296	Effect of Eu^{3+} + codoping on upconversion luminescence in $\text{Y}_2\text{O}_3:\text{Er}^{3+}$, Yb^{3+} + nanocrystals. <i>Solid State Communications</i> , 2010 , 150, 1048-1051	1.6	13
295	Electromechanical coupling coefficient of $0.70\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.30\text{PbTiO}_3$ single crystal resonator with arbitrary aspect ratio. <i>Applied Physics Letters</i> , 2007 , 91, 122903	3.4	13
294	High-frequency dispersion of ultrasonic velocity and attenuation of single-crystal $0.72\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.28\text{PbTiO}_3$ with engineered domain structures. <i>Applied Physics Letters</i> , 2002 , 80, 2466-2468	3.4	13
293	Microstructural characteristics and diffuse phase transition behavior of lanthanum-modified lead titanate. <i>Ferroelectrics</i> , 1994 , 158, 343-350	0.6	13
292	Polarization Gradient Coefficients and the Dispersion Surface of the Soft Mode in Perovskite Ferroelectrics. <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 1156-1161	1.5	13
291	Accurate thermometry based on the red and green fluorescence intensity ratio in $\text{NaYF}_4:\text{Yb}, \text{Er}$ nanocrystals for bioapplication. <i>Optics Letters</i> , 2016 , 41, 4664-4667	3	13
290	High-Frequency Ultrasonic Imaging with Lead-free $(\text{Na},\text{K})(\text{Nb},\text{Ta})\text{O}$ Single Crystal. <i>Ultrasonic Imaging</i> , 2017 , 39, 348-356	1.9	12
289	Twenty-fold Enhancement of Gadolinium-Porphyrin Phosphorescence at Room Temperature by Free Gadolinium Ion in Liquid Phase. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28111-28116	3.8	12
288	Growth and characterization of lead-free ferroelectric $(\text{K},\text{Na},\text{Li})(\text{Nb},\text{Ta},\text{Sb})\text{O}_3$ single crystal. <i>Journal of Crystal Growth</i> , 2015 , 409, 39-43	1.6	12
287	Valley-to-peak intensity ratio thermometry based on the red upconversion emission of Er^{3+} . <i>Optics Express</i> , 2016 , 24, 13244-9	3.3	12
286	Facile synthesis and upconversion luminescence of $\text{NaYF}_4:\text{Yb}, \text{Tm}$ nanocrystals with highly tunable and uniform NaYF_4 shells. <i>Journal of Alloys and Compounds</i> , 2016 , 684, 211-216	5.7	12
285	Hierarchical Assembly of Tungsten Spheres and Epoxy Composites in Three-Dimensional Graphene Foam and Its Enhanced Acoustic Performance as a Backing Material. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18496-504	9.5	12
284	Domain evolution with electric field and delineation of extrinsic contributions in $(\text{K}, \text{Na}, \text{Li})(\text{Nb}, \text{Ta}, \text{Sb})\text{O}$ single crystal. <i>Applied Physics Letters</i> , 2015 , 107, 072902	3.4	12
283	Effect of kerf filler on the electromechanical coupling coefficient of 1β piezoelectric composites. <i>Journal of Alloys and Compounds</i> , 2015 , 651, 643-647	5.7	12
282	Linear electro-optic properties of relaxor-based ferroelectric $0.24\text{Pb}(\text{InNb})\text{O}-(0.76-x)\text{Pb}(\text{MgNb})\text{O}-\text{PbTiO}$ single crystals. <i>Journal of Applied Physics</i> , 2013 , 114, 27021	2.5	12
281	Acoustic properties of alumina colloidal/polymer nano-composite film on silicon. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2007 , 54, 467-9	3.2	12
280	Structural, dielectric and optical properties of barium strontium sodium niobate $(\text{Sr}_{0.7}\text{Ba}_{0.3})_2\text{NaNb}_5\text{O}_{15}$ single crystals. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 921-924	3	12

279	Preparation and characterization of transparent PZNLZT ceramics. <i>Journal of Materials Research</i> , 2004 , 19, 729-732	2.5	12
278	Electric-field-induced dielectric anomalies in C-oriented 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ 0.045PbTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2003 , 83, 731-733	3.4	12
277	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2001 , 50, 1397-1403	5.2	12
276	Improved ultrasonic spectroscopy methods for characterization of dispersive materials. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2001 , 48, 1060-5	3.2	12
275	Effect of grain size on actuator properties of piezoelectric ceramics 1998 ,		12
274	Temperature dependence of dielectric, elastic, and piezoelectric constants of [001] poled Mn-doped 0.24Pb(InNb)O-0.46Pb(MgNb)O-0.30PbTiO single crystal. <i>Applied Physics Letters</i> , 2016 , 108, 082901	3.4	12
273	40% enhanced photocurrent of dye sensitized solar cells using lotus-shaped H ₂ -treated anatase TiO ₂ with {0 0 1} dominated facets. <i>Chemical Engineering Journal</i> , 2017 , 316, 534-543	14.7	11
272	A non-invasive photoacoustic and ultrasonic method for the measurement of glucose solution concentration. <i>AIP Advances</i> , 2017 , 7, 035313	1.5	11
271	Tetragonal (K, Na)NbO ₃ based lead-free single crystal: Growth, full tensor properties, and their orientation dependence. <i>Applied Physics Letters</i> , 2017 , 111, 172903	3.4	11
270	Shell thickness dependence of upconversion luminescence of □NaYF ₄ :Yb, Er/□NaYF ₄ core-shell nanocrystals. <i>Optics Letters</i> , 2013 , 38, 2101-3	3	11
269	Theoretical and experimental study on temperature elevation behind ribs caused by weakly focused ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2010 , 36, 1704-12	3.5	11
268	Influence of imperfect surface layers on dielectric and pyroelectric properties of ferroelectric thin film. <i>Physica B: Condensed Matter</i> , 2006 , 373, 177-181	2.8	11
267	High frequency permittivity determination by spectra simulation and measurement of microstrip ring resonators. <i>Electronics Letters</i> , 2000 , 36, 956	1.1	11
266	Landau-Ginzburg model for antiferroelectric phase transitions based on microscopic symmetry. <i>Physical Review B</i> , 2000 , 62, 818-823	3.3	11
265	Finite Element Analysis and Experimental Studies on the Thickness Resonance of Piezocomposite Transducers. <i>Ultrasonic Imaging</i> , 1996 , 18, 1-9	1.9	11
264	Nonlinear and nonlocal continuum theory on domain walls in ferroelectrics. <i>Ferroelectrics</i> , 1994 , 157, 19-26	0.6	11
263	Electric field induced upconversion fluorescence enhancement and its mechanism in Er ³⁺ doped 0.75Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.25PbTiO ₃ transparent ceramic. <i>Applied Physics Letters</i> , 2016 , 109, 132904	3.4	11
262	Hematoporphyrin monomethyl ether mediated sonodynamic antimicrobial chemotherapy on porphyromonas gingivalis in vitro. <i>Microbial Pathogenesis</i> , 2020 , 144, 104192	3.8	10

261	Topochemical transformation of single crystalline SrTiO ₃ microplatelets from Bi ₄ Ti ₃ O ₁₂ precursors and their orientation-dependent surface piezoelectricity. <i>CrystEngComm</i> , 2018 , 20, 3084-3095	3.3	10
260	Improved depolarization behavior and electric properties in (Bi _{0.5} Na _{0.5})TiO ₃ -based piezoelectric composites. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 660-668	5.7	10
259	Dynamic scaling of internal bias field in Mn-doped 0.24Pb(In _{1/2} Nb _{1/2})O ₃ -0.42Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.34PbTiO ₃ ferroelectric ceramic. <i>Journal of Materials Science</i> , 2018 , 53, 12762-12769	4.3	10
258	Absolute quantum cutting efficiency of Tb ³⁺ -Yb ³⁺ co-doped glass. <i>Journal of Applied Physics</i> , 2013 , 114, 213513	2.5	10
257	Electrical behaviors of c-axis textured 0.975Bi _{0.5} Na _{0.5} TiO ₃ -0.025BiCoO ₃ thin films grown by pulsed laser deposition. <i>Applied Surface Science</i> , 2013 , 283, 759-763	6.7	10
256	Polarized Raman study on phase transitions in 0.24Pb(InNb)O-0.43Pb(MgNb)O-0.33PbTiO single crystal. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 98-100	5.7	10
255	Upconversion emission efficiency of Tb ³⁺ -Yb ³⁺ codoped glass. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 456	1.7	10
254	Direct measurement of ultrasonic velocity of thin elastic layers. <i>Journal of the Acoustical Society of America</i> , 1997 , 101, 626-628	2.2	10
253	Characterizing ultra-thin matching layers of high-frequency ultrasonic transducer based on impedance matching principle. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004 , 51, 211-215	3.2	10
252	Temperature-dependence of carbon film growth by electrolysis of a methanol solution. <i>Carbon</i> , 2003 , 41, 594-598	10.4	10
251	Defect stabilized periodic amplitude modulations in ferroelectrics. <i>Phase Transitions</i> , 1995 , 55, 69-78	1.3	10
250	Phase coexistence in ferroelectric solid solutions: Formation of monoclinic phase with enhanced piezoelectricity. <i>AIP Advances</i> , 2016 , 6, 105208	1.5	10
249	Parameters identification and contact analysis of traveling wave ultrasonic motor based on measured force and feedback voltage. <i>Sensors and Actuators A: Physical</i> , 2018 , 284, 201-208	3.9	10
248	Photophysical properties of sinoporphyrin sodium and explanation of its high photo-activity. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017 , 21, 59-66	1.8	9
247	Improved fracture behavior and mechanical properties of alumina textured ceramics. <i>Materials Letters</i> , 2018 , 221, 252-255	3.3	9
246	Optical bandgap and dispersions of 0.24Pb(In _{1/2} Nb _{1/2})O ₃ -0.43Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.33PbTiO ₃ single crystal poled along [011] c direction. <i>Optical Materials</i> , 2016 , 60, 101-104	3.3	9
245	Arrays of nanorods composed of ZnO nanodots exhibiting enhanced UV emission and stability. <i>Nanoscale</i> , 2014 , 6, 10746-51	7.7	9
244	Phase Transition and Electrical Properties of Ba _{0.7} Ca _{0.3} TiO ₃ BiFeO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3901-3905	3.8	9

243	Poling field versus piezoelectric property for [001] oriented 91%Pb(ZnNb)O-9%PbTiO single crystals. <i>Journal of Materials Science</i> , 2011 , 46, 1839-1845	4.3	9
242	Reduction of electro-optic half-wave voltage of 0.93Pb(Zn(1/3)Nb(2/3))O(3)-0.07PbTiO(3) single crystal through large piezoelectric strain. <i>Optical Materials</i> , 2011 , 33, 549-552	3.3	9
241	Finite element analysis of periodic and random 2-2 piezocomposite transducers with finite dimensions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1997 , 44, 1168-1171	3.2	9
240	Highly confined energy propagation in a gap waveguide composed of two coupled nanorod chains. <i>Applied Physics Letters</i> , 2007 , 91, 133107	3.4	9
239	Electronic band-structure engineering of GaAs/AlxGa1-xAs quantum well superlattices with substructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 103, 122-127	3.1	9
238	Optical properties of highly C-oriented Bi3TiNbO9 thin films grown on fused silica substrates by PLD. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 183-186	2.6	9
237	Frequency dispersion of ultrasonic velocity and attenuation of longitudinal waves propagating in 0.68Pb(Mg1/3Nb2/3)O3-0.32PbTiO3 single crystals poled along [001] and [110]. <i>Applied Physics Letters</i> , 2005 , 87, 182903	3.4	9
236	Influence of sample size on ultrasonic phase velocity measurements in piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2002 , 91, 10194	2.5	9
235	Modeling of microwave ring resonators using the finite-difference time-domain method (FDTD). <i>Microwave and Optical Technology Letters</i> , 2000 , 24, 392-396	1.2	9
234	Electromechanical properties of thin strip piezoelectric vibrators at high frequency. <i>Journal of Applied Physics</i> , 2000 , 88, 394-397	2.5	9
233	Switching 70Pb(MgNb)O-0.30PbTiO single crystal by 3 MHz bipolar field. <i>Applied Physics Letters</i> , 2016 , 108, 232901	3.4	9
232	Vertical MoSe-MoO p-n heterojunction and its application in optoelectronics. <i>Nanotechnology</i> , 2018 , 29, 045202	3.4	9
231	Bactericidal effects of hematoporphyrin monomethyl ether-mediated blue-light photodynamic therapy against Staphylococcus aureus. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 92-97	4.2	8
230	Graphene oxide-stimulated acoustic attenuating performance of tungsten based epoxy films. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10848-10855	7.1	8
229	Domain structures and piezoelectric properties of low-temperature sintered (Ba0.95Ca0.05)(Ti0.94Sn0.06)O3 ceramics with CuO additive. <i>Materials Letters</i> , 2016 , 177, 128-131	3.3	8
228	Current-voltage characteristics and ON/OFF ratio in ferroelectric tunnel junctions. <i>Journal of Applied Physics</i> , 2012 , 112, 054102	2.5	8
227	Enhanced Electrical Properties of Novel Pb(Ni1/3Nb2/3)O3BiScO3PbTiO3 Ternary System near Morphotropic Phase Boundary. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 101101	1.4	8
226	Upconversion emission from amorphous Y2O3:Tm3+, Yb3+ prepared by nanosecond pulsed laser irradiation. <i>Chemical Physics Letters</i> , 2011 , 509, 29-32	2.5	8

225	Contributions of domain wall motion to complex electromechanical coefficients of 0.62Pb(Mg(13)Nb(23))O(3)-0.38PbTiO(3) crystals. <i>Journal of Applied Physics</i> , 2010 , 107, 14110	2.5	8
224	Apoptosis of vascular smooth muscle cells induced by photodynamic therapy with protoporphyrin IX. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 69-72	3.4	8
223	Surface acoustic wave propagation properties in 0.67Pb(Mg(13)Nb(23))O(3)-0.33PbTiO(3) single crystal poled along [111](c). <i>Applied Physics Letters</i> , 2009 , 95, 242906	3.4	8
222	Electromechanical coupling coefficient k_{31}^{eff} for arbitrary aspect ratio resonators made of [001] and [011] poled (1-x)Pb(Mg(13)Nb(23))O(3)-xPbTiO(3) single crystals. <i>Journal of Applied Physics</i> , 2009 , 105, 64104	2.5	8
221	Modeling of board-level package by Finite Element Analysis and laser interferometer measurements. <i>Microelectronics Reliability</i> , 2010 , 50, 1021-1027	1.2	8
220	Allowed mesoscopic point group symmetries in domain average engineering of perovskite ferroelectric crystals. <i>Journal of Applied Physics</i> , 2003 , 94, 5220	2.5	8
219	Memory effect in [001] poled 0.92Pb(Zn13Nb23)O30.08PbTiO3 single crystals. <i>Applied Physics Letters</i> , 2005 , 86, 192909	3.4	8
218	Passive materials for high-frequency ultrasound transducers 1999 ,		8
217	. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1995 , 42, 37-41	3.2	8
216	Quantitative lateral and vertical piezoresponse force microscopy on a PbTiO3 single crystal. <i>Journal of Applied Physics</i> , 2016 , 120, 124106	2.5	8
215	Decatungstate acid improves the photo-induced electron lifetime and retards the recombination in dye sensitized solar cells. <i>Dalton Transactions</i> , 2016 , 45, 14940-7	4.3	8
214	High piezoelectricity of Eu ³⁺ -doped Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.25PbTiO ₃ transparent ceramics. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2426-2436	7.1	8
213	Optimization of electrooptic and piezoelectric coupling effects in tetragonal relaxor-PT ferroelectric single crystals. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 64-67	5.7	7
212	NIR to NIR luminescence thermometry in core/multishells-structured nanoparticles operating in the biological window. <i>Journal of Luminescence</i> , 2020 , 225, 117358	3.8	7
211	Landau expansion parameters and the O-T phase transition of a 0.64Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.36PbTiO ₃ single crystal. <i>Physical Review B</i> , 2018 , 97,	3.3	7
210	Structure and ferroelectric behavior of Cu-doped PbTiO ₃ thin film deposited on FTO by sol-gel technique. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 700-704	5.7	7
209	Growth and property enhancement of Er ³⁺ -doped 0.68Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.32PbTiO ₃ single crystal. <i>Journal of Rare Earths</i> , 2018 , 36, 832-837	3.7	7
208	Controlling the angle range in acoustic low-frequency forbidden transmission in solid-fluid superlattice. <i>Journal of Applied Physics</i> , 2018 , 123, 115111	2.5	7

207	A subwavelength asymmetric acoustic design for waveform-preserved highly forward transmission. <i>AIP Advances</i> , 2018 , 8, 085102	1.5	7
206	Optical properties and dispersions of rhombohedral $0.24\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.49\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.27\text{PbTiO}_3$ single domain single crystal. <i>Optical Materials</i> , 2013 , 36, 342-345	3.3	7
205	Ratiometric oxygen sensing using the tunable ratio of phosphorescence to fluorescence emissions from gadolinium porphyrin and porphyrin. <i>Journal of Luminescence</i> , 2017 , 183, 452-457	3.8	7
204	Mechanism of rat osteosarcoma cell apoptosis induced by a combination of low-intensity ultrasound and 5-aminolevulinic acid in vitro. <i>Genetics and Molecular Research</i> , 2015 , 14, 9604-13	1.2	7
203	Sonodynamic effect of hematoporphyrin monomethyl ether on ligature-induced periodontitis in rats. <i>Drug Design, Development and Therapy</i> , 2015 , 9, 2545-51	4.4	7
202	Determination of full set material constants of [011] poled $0.72\text{Pb}(\text{MgNb})\text{O-}0.28\text{PbTiO}$ single crystal from one sample. <i>Applied Physics Letters</i> , 2014 , 105, 012901	3.4	7
201	Converse-piezoelectric effect on current-voltage characteristics of symmetric ferroelectric tunnel junctions. <i>Journal of Applied Physics</i> , 2012 , 111, 014103	2.5	7
200	High sensitivity gravimetric sensor made of carbon fiber epoxy composite on $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystal substrate. <i>Applied Physics Letters</i> , 2013 , 103, 053507	3.4	7
199	Nonlinear restoring forces and geometry influence on stability in near-field acoustic levitation. <i>Journal of Applied Physics</i> , 2011 , 109, 084518	2.5	7
198	Surface acoustic wave propagation in Y- and Z-cut $0.67\text{PbMgNbO}_3\text{-}0.33\text{PbTiO}_3$ single crystals. <i>Journal of Applied Physics</i> , 2009 , 106, 54110	2.5	7
197	Optical properties of $\text{Bi}_{2.25}\text{La}_{0.75}\text{TiNbO}_9$ thin films grown on fused silica substrates by PLD. <i>Optical Materials</i> , 2009 , 32, 406-409	3.3	7
196	Ultraviolet upconversion luminescence of Gd^{3+} from Ho^{3+} and Gd^{3+} codoped oxide ceramic induced by 532-nm CW laser excitation. <i>Optics Communications</i> , 2011 , 284, 3114-3117	2	7
195	Optical Temperature Sensor Using Infrared-to-Visible-Frequency Upconversion in $\text{Er}^{3+}/\text{Yb}^{3+}$ -Codoped $\text{Bi}_3\text{TiNbO}_9$ Ceramics. <i>Chinese Physics Letters</i> , 2011 , 28, 087804	1.8	7
194	Three Dimensional Domain Structures for Domain Engineered Rhombohedral Perovskite Ferroelectric Crystals. <i>Ferroelectrics</i> , 2012 , 426, 13-20	0.6	7
193	Third-order optical nonlinear absorption in $\text{Bi}_{1.95}\text{La}_{1.05}\text{TiNbO}_9$ thin films. <i>Thin Solid Films</i> , 2010 , 518, 5585-5587	2.2	7
192	Theoretical study on the influence of surface imperfections on the properties of ferroelectric thin films in first-order ferroelectric systems. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 2952-2961	1.3	7
191	Analysis of resonance processes in microstrip ring resonators by the FDTD method. <i>Microwave and Optical Technology Letters</i> , 2001 , 28, 312-321	1.2	7
190	Antiphase structures of an improper ferroelastic phase transition driven by an $M5\bar{2}$ zone boundary phonon in RAg_1In_x . <i>Physical Review B</i> , 2001 , 64,	3.3	7

189	Determination of elastic, piezoelectric, and dielectric properties of Pb(Zn _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystals 1999 , 3664, 239		7
188	Finite element analysis and experimental studies on the thickness resonance of piezocomposite transducers. <i>Ultrasonic Imaging</i> , 1996 , 18, 1-9	1.9	7
187	Periodic superstructures in tetrahedrally bonded homopolymers. <i>Physical Review B</i> , 1988 , 38, 7664-7673	3.3	7
186	Electrostriction effect in glass. <i>Materials Letters</i> , 1986 , 4, 329-336	3.3	7
185	Magnesium Alloy Matching Layer for High-Performance Transducer Applications. <i>Sensors</i> , 2018 , 18,	3.8	7
184	Determination of temperature dependence of full matrix material constants of PZT-8 piezoceramics using only one sample. <i>Journal of Alloys and Compounds</i> , 2017 , 714, 20-25	5.7	6
183	Depoling and fatigue behavior of Pb(MgNb)O-PbTiO single crystal at megahertz frequencies under bipolar electric field. <i>Journal of Applied Physics</i> , 2017 , 121, 174101	2.5	6
182	Temperature-dependent phase transition in [001]-oriented 0.72Pb(MgNb)O-0.28PbTiO single crystals. <i>Ceramics International</i> , 2019 , 45, 13999-14005	5.1	6
181	The effect of imidazole on the enhancement of gadolinium-porphyrin phosphorescence at room temperature. <i>Dalton Transactions</i> , 2016 , 45, 16889-16895	4.3	6
180	Magnesium Alloy Matching Layer for PMN-PT Single Crystal Transducer Applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 1865-1872	3.2	6
179	Synthesis and properties of high aspect ratio SrBi ₄ Ti ₄ O ₁₅ microplatelets. <i>Materials Letters</i> , 2014 , 129, 126-129	3.3	6
178	A quantitative diagnostic method for oral mucous precancerosis by Rose Bengal fluorescence spectroscopy. <i>Lasers in Medical Science</i> , 2013 , 28, 241-6	3.1	6
177	Pressure tuned ferroelectric reentrance in nano-BaTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2012 , 112, 124107	2.5	6
176	Frequency dispersion of longitudinal ultrasonic velocity and attenuation in [001]c-poled 0.24Pb(In _{1/3} Nb _{2/3})O-0.45Pb(Mg _{1/3} Nb _{2/3})O-0.31PbTiO ₃ single crystal. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 1669-73	3.2	6
175	Ultraviolet emissions from Gd ³⁺ ions excited by energy transfer from Ho ³⁺ ions. <i>Journal of Luminescence</i> , 2011 , 131, 347-351	3.8	6
174	Dielectric properties of ferroelectric thin films with surface transition layers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 1963-1971	3.3	6
173	Experimental technique for characterizing arbitrary aspect ratio piezoelectric resonators. <i>Applied Physics Letters</i> , 2006 , 89, 162910	3.4	6
172	Phenomenological theories of ferroelectric phase transitions. <i>Advances in Applied Ceramics</i> , 2004 , 103, 71-75		6

171	Combining FDTD simulations with measurements of microstrip ring resonators for characterization of low- and high-K dielectrics at microwaves. <i>Microwave and Optical Technology Letters</i> , 2001 , 29, 21-24	1.2	6
170	Observation and analysis of domain configurations in domain engineered PZN-PT single crystals. <i>Ferroelectrics</i> , 2001 , 251, 93-100	0.6	6
169	Multisource excitations in a stratified biphasic structure. <i>Journal of Applied Physics</i> , 1995 , 78, 4640-4646	2.5	6
168	The effect of polymeric filler on poling behavior and thermal stability of 1-3 piezoelectric composites. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 025301	3	6
167	A single-mode Mn-doped 0.27PIN-0.46PMN-0.27PT single-crystal ultrasonic motor. <i>Journal of Electroceramics</i> , 2016 , 37, 121-126	1.5	6
166	Prolonged lifetime and retarded recombination in dye sensitized solar cells using hydrogenated fluorine doped TiO ₂ nanocrystals as a photoanode. <i>RSC Advances</i> , 2016 , 6, 99251-99259	3.7	6
165	Near-infrared emitting Nd ³⁺ -Yb ³⁺ codoped Y ₂ O ₃ nanocrystals for highly sensitive optical thermometry. <i>Journal of Alloys and Compounds</i> , 2021 , 858, 157637	5.7	6
164	Sonodynamic therapy improves anti-tumor immune effect by increasing the infiltration of CD8 ⁺ T cells and altering tumor blood vessels in murine B16F10 melanoma xenograft. <i>Oncology Reports</i> , 2018 , 40, 2163-2170	3.5	6
163	Nonlinear phosphorescence quenching mechanism of gadolinium labeled porphyrin by oxygen on filter paper. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 316, 7-11	4.7	5
162	Dynamic characteristics of defect dipoles in Mn-doped 0.24Pb(In ₁ /2Nb ₁ /2)O ₃ 0.47Pb(Mg ₁ /3Nb ₂ /3)O ₃ 0.29PbTiO ₃ single crystal. <i>CrystEngComm</i> , 2019 , 21, 348-355	3.3	5
161	Evaluation of reversible and irreversible domain wall motions in relaxor ferroelectrics: Influence of acceptor ions. <i>Applied Physics Letters</i> , 2019 , 114, 232901	3.4	5
160	Effects of palmatine hydrochloride mediated photodynamic therapy on oral squamous cell carcinoma. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1596-1605	4.2	5
159	An insight into the origin of low-symmetry bridging phase and enhanced functionality in systems containing competing phases. <i>Applied Physics Letters</i> , 2015 , 107, 042901	3.4	5
158	Effects of low-intensity ultrasound combined with low-dose carboplatin in an orthotopic hamster model of tongue cancer: A preclinical study. <i>Oncology Reports</i> , 2018 , 39, 1609-1618	3.5	5
157	Effect of annealing temperature on the optical property of high Cd content CdZnO films. <i>Superlattices and Microstructures</i> , 2016 , 97, 569-574	2.8	5
156	Structural deformation of 0.74Pb(Mg ₁ /3Nb ₂ /3)O ₃ -0.26PbTiO ₃ single crystal in 1B composites due to interface stresses and poling procedure optimization. <i>Journal of Applied Physics</i> , 2016 , 120, 124104	2.5	5
155	Potential involvement of the 18 kDa translocator protein and reactive oxygen species in apoptosis of THP-1 macrophages induced by sonodynamic therapy. <i>PLoS ONE</i> , 2018 , 13, e0196541	3.7	5
154	Labeling efficiency and toxicity evaluation of CdSe/ZnS quantum dots on Escherichia coli. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	5

153	Effect of cell cycle phase on the sensitivity of SAS cells to sonodynamic therapy using low-intensity ultrasound combined with 5-aminolevulinic acid in vitro. <i>Molecular Medicine Reports</i> , 2015 , 12, 3177-83	2.9	5
152	Theoretical study on piezoresponse of ultrathin ferroelectric films. <i>Journal of Applied Physics</i> , 2012 , 112, 074115	2.5	5
151	Pressure-sensitive blackbody point radiation induced by infrared diode laser irradiation. <i>Optics Letters</i> , 2011 , 36, 1806-8	3	5
150	Investigation of dipolar defects in (1-x)Pb(Zn1-BNb2B)O3-xPbTiO3 single crystals using different poling methods. <i>Journal of Applied Physics</i> , 2007 , 101, 014105	2.5	5
149	Aspect Ratio Dependence of Electromechanical Coupling Coefficient k_{31} of Lateral-Excitation Piezoelectric Vibrator. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 4459-4461	1.4	5
148	Second harmonic generation of shear waves in crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004 , 51, 153-162	3.2	5
147	Improving leakage currents of Pt/Ba0.8Sr0.2TiO3/Pt capacitors using multilayered structures. <i>Surface and Coatings Technology</i> , 2002 , 160, 277-281	4.4	5
146	Pulsed laser deposition optical waveguiding Bi3TiNbO9 thin films on fused silica. <i>Thin Solid Films</i> , 2005 , 473, 296-299	2.2	5
145	Computer simulations of domain pattern formation in ferroelectrics. <i>AIP Conference Proceedings</i> , 2001 ,	0	5
144	Defects in Ferroelectrics. <i>Springer Series in Materials Science</i> , 2012 , 113-134	0.9	5
143	Single-Crystal High-Frequency Intravascular Ultrasound Transducer With 40- μ m Axial Resolution. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 810-816	3.2	5
142	Plasmonic Enhanced Reactive Oxygen Species Activation on Low-Work-Function Tungsten Nitride for Direct Near-Infrared Driven Photocatalysis. <i>Small</i> , 2020 , 16, e2004557	11	5
141	Tonpizl transducer head mass selection based on excitation signal type. <i>Applied Acoustics</i> , 2021 , 176, 107852	3.1	5
140	Low-Intensity Ultrasound Combined with Hematoporphyrin Monomethyl Ether in the Treatment of Experimental Periodontitis in Rats. <i>BioMed Research International</i> , 2016 , 2016, 7156716	3	5
139	Acoustic beam control in biomimetic projector via velocity gradient. <i>Applied Physics Letters</i> , 2016 , 109, 013505	3.4	5
138	Effect of misfit strain on ferroelectric domain formation at the morphotropic phase boundary. <i>Physical Review B</i> , 2016 , 94,	3.3	5
137	Comprehensive analysis of Mn:PIN-PMN-PT single crystals for Class IV flextensional transducer. <i>Ceramics International</i> , 2018 , 44, 2864-2868	5.1	5
136	Photoluminescence critical behavior in Er ³⁺ doped Ba _{0.77} Ca _{0.23} TiO ₃ ceramic. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 63-66	5.7	4

135	Phase transitions and piezoelectricity enhancement around MC -10 phase transition in PMN-0.34PT single crystals. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155171	5.7	4
134	Fluorescence intensity ratio thermometer methodology of eliminating the "decoupling" effect of a pair of thermally coupled energy levels of rare-earth ions. <i>Optics Letters</i> , 2017 , 42, 1401-1403	3	4
133	Influence of Finite Size on the Electrocaloric Response in PbTiO ₃ Ceramics Near Room Temperature Using Landau Theory. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700469	1.3	4
132	Morphology-controlled synthesis of Alumina microplatelets through an additive-assisted molten salt reaction. <i>Materials Letters</i> , 2018 , 210, 182-185	3.3	4
131	Characterization of Full Set Material Constants and Their Temperature Dependence for Piezoelectric Materials Using Resonant Ultrasound Spectroscopy. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	4
130	Detecting trace of mercury ions in water using photoacoustic method enhanced by gold nanospheres. <i>Microchemical Journal</i> , 2019 , 150, 104058	4.8	4
129	Space charge effect in ultrathin ferroelectric films. <i>Journal of Applied Physics</i> , 2012 , 111, 084103	2.5	4
128	Propagation of Shear Horizontal Waves in Laminated Composites Based on Differently Orientated Poled 0.72Pb(Mg 1/3 Nb 2/3)O 3 -0.28PbTiO 3 Single Crystals. <i>Chinese Physics Letters</i> , 2013 , 30, 096301	1.8	4
127	Effect of lanthanum doping on linear and nonlinear-optical properties of Bi ₃ TiNbO ₉ thin films. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5364-5367	5.7	4
126	Nonlinear optical absorption in Bi ₃ TiNbO ₉ thin films using Z-scan technique. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 96, 1017-1021	2.6	4
125	Surface Acoustic Wave Propagation in Relaxor-Based Ferroelectric Single Crystals 0.93Pb(Zn 1/3 Nb 2/3)O 3 -0.07PbTiO 3 Poled along [011] c. <i>Chinese Physics Letters</i> , 2012 , 29, 024302	1.8	4
124	Z-scan measurement for the nonlinear absorption of Bi _{2.55} La _{0.45} TiNbO ₉ thin films. <i>Materials Letters</i> , 2010 , 64, 589-591	3.3	4
123	Dielectric enhancement in interface-modified BaTiO ₃ /SrTiO ₃ multilayered films prepared by pulsed laser deposition. <i>Microelectronic Engineering</i> , 2006 , 83, 553-556	2.5	4
122	Effect of kerf filler on the electromechanical coupling coefficient of an ultrasonic transducer array element. <i>Applied Physics Letters</i> , 2007 , 91, 152904	3.4	4
121	Theoretical studies on the pyroelectric properties of two component composite ferroelectric thin film. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 360, 357-361	2.3	4
120	Intrinsic and coupling-induced elastic nonlinearity of lanthanum-doped lead magnesium niobate/lead titanate electrostrictive ceramic. <i>Applied Physics Letters</i> , 2000 , 77, 1387-1389	3.4	4
119	Determination of domain and domain wall formation at ferroic transitions. <i>Ferroelectrics</i> , 1999 , 222, 1-10.	0.6	4
118	Enhancing the Temperature Stability of 0.42PNN-0.21PZ-0.37PT Ceramics through Texture Engineering.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4

117	Scaling relations of domain reversal dynamics in rhombohedral and tetragonal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ferroelectric single crystals. <i>Applied Physics Letters</i> , 2021 , 119, 182902	3.4	4
116	Temperature- and frequency-dependent hysteresis scaling behaviour and phase transitions in a $[001]_c$ $0.73\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - 0.27PbTiO_3 single crystal. <i>Ceramics International</i> , 2020 , 46, 8675-8681	5.1	4
115	Characterizing full matrix constants of piezoelectric single crystals with strong anisotropy using two samples. <i>Journal of Applied Physics</i> , 2016 , 120, 164102	2.5	4
114	Ferroelectric fatigue and polarization hysteresis behavior of a $[001]_c$ $\text{Pb}(\text{In}_{0.5}\text{Nb}_{0.5})\text{O}_3$ - $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 single crystal. <i>Journal of Materials Science</i> , 2021 , 56, 9655-9667	4.3	4
113	Low-frequency forbidden bandgap engineering via a cascade of multiple 1D superlattices. <i>Journal of Applied Physics</i> , 2018 , 124, 155102	2.5	4
112	Large photovoltaic effect with ultrahigh open-circuit voltage in relaxor-based ferroelectric $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3$ - $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 ceramics. <i>Journal of Materials Science and Technology</i> , 2022 , 104, 119-126	9.1	4
111	Temperature- and E-field-dependent domain configuration and electrical properties in $(\text{K}, \text{Na}, \text{Li})(\text{Nb}, \text{Ta}, \text{Sb})\text{O}_3$ single crystal. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3973-3981	3.8	3
110	Accurate characterization of complete set constants of single domain $0.72\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - 0.28PbTiO_3 single crystal by resonant ultrasound spectroscopy using only one sample. <i>Journal of Applied Physics</i> , 2019 , 125, 064102	2.5	3
109	Modeling dynamic rotation of defect dipoles and poling time dependence of piezoelectric effect in ferroelectrics. <i>Applied Physics Letters</i> , 2019 , 114, 102902	3.4	3
108	Electromechanical properties of orthorhombic $0.24\text{Pb}(\text{InNb})\text{O}$ - $0.43\text{Pb}(\text{MgNb})\text{O}$ - 0.33PbTiO single-domain crystal. <i>Materials Letters</i> , 2015 , 157, 163-165	3.3	3
107	Effect of high bismuth deficiency on structure and oxide ion conductivity of a $\text{Bi}_{0.55}\text{MoO}_4$ single crystal. <i>CrystEngComm</i> , 2015 , 17, 8746-8751	3.3	3
106	Temperature dependence of full matrix material constants of $[001]_c$ poled $0.71\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - 0.29PbTiO_3 single crystal. <i>Journal of Applied Physics</i> , 2018 , 123, 164102	2.5	3
105	Domain engineering and full matrix material constants of the $[111]_c$ -poled $0.63\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})$ - 0.37PbTiO_3 single crystal. <i>CrystEngComm</i> , 2018 , 20, 4745-4751	3.3	3
104	Dielectric and elastic properties of $0.70\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - 0.30PbTiO_3 single crystal and their electric-field dependence. <i>Journal of Materials Science</i> , 2012 , 47, 429-432	4.3	3
103	Protoporphyrin IX-mediated sonodynamic therapy promotes autophagy in vascular smooth muscle cells. <i>Oncology Letters</i> , 2017 , 14, 2097-2102	2.6	3
102	Effect of shear stress in ferroelectric solid solutions with coexisting phases. <i>Journal of Applied Physics</i> , 2017 , 122, 054102	2.5	3
101	Reply to Comment on Origin of piezoelectric response under a biased scanning probe microscopy tip across a 180° ferroelectric domain wall. <i>Physical Review B</i> , 2014 , 89,	3.3	3
100	Interactions of collinear acoustic waves propagating along pure mode directions of crystals. <i>Journal of Applied Physics</i> , 2014 , 115, 064909	2.5	3

99	Guided Wave Propagation in a Gold Electrode Film on a $\text{Pb}(\text{Mg } 1/3 \text{ Nb } 2/3)\text{O } 3 \text{ B}3\% \text{PbTiO } 3$ Ferroelectric Single Crystal Substrate. <i>Chinese Physics Letters</i> , 2014 , 31, 104302	1.8	3
98	Orientation dependence of electromechanical properties of relaxor based ferroelectric single crystals. <i>Journal of Materials Science</i> , 2011 , 46, 63-68	4.3	3
97	Investigation on optical properties of $\text{Bi}_{2.85}\text{La}_{0.15}\text{TiNbO}_9$ thin films by prism coupling technique. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 97, 741-744	2.6	3
96	Dielectric and piezoelectric properties of sodium lithium niobate $\text{Na}_{1-x}\text{Li}_x\text{NbO}_3$ lead free ferroelectric ceramics. <i>Journal of Electroceramics</i> , 2008 , 21, 323-326	1.5	3
95	Effect of defect induced nucleation and growth on switching behavior in ferroelectrics. <i>Ferroelectrics</i> , 2001 , 251, 191-198	0.6	3
94	Source excitation methods for the finite-difference time-domain modeling of circuits and devices. <i>Microwave and Optical Technology Letters</i> , 1999 , 21, 93-100	1.2	3
93	Elastic and electric constraints in the formation of ferroelectric domains. <i>Ferroelectrics</i> , 1995 , 172, 31-37	0.6	3
92	Complete determination of electrostriction tensor components of KMnF_3 single crystals at room temperature. <i>Journal of Materials Science Letters</i> , 1988 , 7, 327-330		3
91	A versatile cryostat and a mutual inductance coil for a.c. susceptibility measurements on high T_c superconductors. <i>Materials Science and Engineering</i> , 1988 , 100, L11-L13		3
90	Origin of the deviation between the fluorescence intensity ratio of a thermally coupled level and the Boltzmann distribution law. <i>Europhysics Letters</i> , 2016 , 116, 60008	1.6	3
89	Temperature dependence of full set tensor properties of KTiOPO_4 single crystal measured from one sample. <i>Journal of Applied Physics</i> , 2016 , 119, 124104	2.5	3
88	Dielectric relaxation properties of $[001]_c$ -, $[011]_c$ -, and $[111]_c$ -oriented $0.24\text{PIN}-0.47\text{PMN}-0.29\text{PT}$ single crystals. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4103-4112	3.8	3
87	Temperature dependent piezoelectric anisotropy in tetragonal $0.63\text{Pb}(\text{Mg}1/3\text{Nb}2/3)-0.37\text{PbTiO}_3$ single crystal. <i>Applied Physics Letters</i> , 2018 , 113, 102903	3.4	3
86	High-performance $\text{Pb}(\text{Ni}1/3\text{Nb}2/3)\text{O}_3\text{-PbZrO}_3\text{-PbTiO}_3$ ceramics with the triple point composition. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 6983-6990	6	3
85	Large, thermally stabilized and fatigue-resistant piezoelectric strain response in textured relaxor- PbTiO_3 ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2008-2015	7.1	3
84	Simulation of the Dynamical Behavior of 1-3 Piezocomposite Using Finite Element Method. <i>Ceramic Engineering and Science Proceedings</i> , 83-90	0.1	3
83	Influence of poling condition on crystal-rod domain configuration in $0.67\text{Pb}(\text{Mg } 1/3 \text{ Nb } 2/3)\text{O } 3 -0.33\text{PbTiO } 3$ single crystal/epoxy 1-3 composites. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 442-447	5.7	2
82	Precise determination on the upconversion processes of the ultraviolet upconversion fluorescence of Ho^{3+} -doped Y_2O_3 ceramic by excitation of a 532-nm continuous-wave laser. <i>Optics Letters</i> , 2017 , 42, 2279-2282	3	2

81	Differentiate low impedance media in closed steel tank using ultrasonic wave tunneling. <i>Ultrasonics</i> , 2018 , 82, 130-133	3.5	2
80	Enhanced electrocaloric effect in a Si-doped PbZr _{0.95} Ti _{0.05} O ₃ film deposited on FTO substrate. <i>Applied Physics Letters</i> , 2019 , 115, 053901	3.4	2
79	Low-frequency Gibbs-type oscillation in finite solid fluid sonic crystals and its application in sub-wavelength wave isolation for waterborne sound. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 505114	2.1	2
78	The effect of annealing temperature on the optical and electrical properties of cubic MgZnO films grown by RF magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 1644-1651	2.1	2
77	High sensitivity gravimetric sensor made of unidirectional carbon fiber epoxy composite on (1-x)Pb(Zn 1/3 Nb 2/3)O ₃ - x PbTiO ₃ single crystal substrate. <i>Chinese Physics B</i> , 2014 , 23, 117704	1.2	2
76	A nonlinear model for the layer between plates in acoustic noncontact transportation. <i>Journal of Applied Physics</i> , 2014 , 116, 214905	2.5	2
75	Diffuse reflectance measurement using gas absorption spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 147-150	8.5	2
74	Biocide silver nanoparticles in two different silica-based coating 2012 ,		2
73	Pure low-frequency flexural mode of [011](c) poled relaxor-PbTiO ₃ single crystals excited by k(32) mode. <i>Applied Physics Letters</i> , 2012 , 100, 213501-2135014	3.4	2
72	Polarization fatigue and photoinduced current in (Pb _{0.72} La _{0.28})Ti _{0.93} O ₃ buffered Pb(Zr _{0.52} Ti _{0.48})O ₃ films on platinized silicon. <i>Materials Research Bulletin</i> , 2009 , 44, 803-806	5.1	2
71	Design optimization and experimental study of acoustic transducer in Near Field Acoustic Levitation 2011 ,		2
70	Polarization properties of ferroelectric thin films on transverse ising model. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2599-2604	1.3	2
69	Study of electric-field-induced phase transitions in [111] oriented 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.045PbTiO ₃ single crystals. <i>Materials Letters</i> , 2005 , 59, 3276-3279	3.3	2
68	Observation of Ferroelectric Domains using Environmental SEM. <i>Microscopy and Microanalysis</i> , 2004 , 10, 1072-1073	0.5	2
67	Efficient determination of resonance frequencies in resonant structures using the FDTD method. <i>Microwave and Optical Technology Letters</i> , 2001 , 28, 244-247	1.2	2
66	Oriental twins in an improper ferroelastic phase transition driven by the M ₅ zone-boundary phonon in RAg _{1-x} In _x . <i>Physical Review B</i> , 2002 , 65,	3.3	2
65	Observation of ferroelectric domains in LiTaO ₃ . <i>Ferroelectrics</i> , 1999 , 226, 27-35	0.6	2
64	Effects of face plates and edge strips on hydrostatic piezoelectric response of 1-3 composites. <i>Ferroelectrics</i> , 1995 , 173, 243-256	0.6	2

63	Temperature- and electric field-dependence of polarization hysteresis for a [001]c poled PMN-PT single crystal. <i>Journal of Asian Ceramic Societies</i> ,1-12	2.4	2
62	Sonodynamic Effects of a Novel Ether-Group Modified Porphyrin Derivative Combined With Pulsed Low-Intensity Ultrasound on PC-9 Cells.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 792360	5.6	2
61	Hematoporphyrin monomethyl ether-mediated sonodynamic therapy induces A-253 cell apoptosis. <i>Oncology Letters</i> , 2020 , 19, 3223-3228	2.6	2
60	Multifunctional Materials [The Basis for Adaptronics 1999 , 35-57		2
59	Dielectric relaxation and local domain structures of ferroelectric PIMNT and PMNT single crystals. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 1744-1754	3.8	2
58	Determination of full matrix material constants of [111]c poled Mn doped 0.24Pb(In _{1/2} Nb _{1/2})O ₃ -0.46Pb (Mg _{1/3} Nb _{2/3})O ₃ -0.30PbTiO ₃ single-domain single crystal using one sample. <i>Journal of Applied Physics</i> , 2016 , 120, 064101	2.5	2
57	Defect dynamics in clusters of self-propelled rods in circular confinement. <i>European Physical Journal E</i> , 2019 , 42, 150	1.5	2
56	Dielectric, elastic and piezoelectric properties of single domain Pb(Zn _{1/3} Nb _{2/3})O ₃ 3.5%PbTiO ₃ single crystal with 3m symmetry measured using one sample. <i>Scripta Materialia</i> , 2021 , 194, 113634	5.6	2
55	Phase stability and Landau phenomenological model of relaxor ferroelectric single crystals 0.78Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.22PbTiO ₃ . <i>Ceramics International</i> , 2021 , 47, 9842-9848	5.1	2
54	Eliminating the Decoupling Effect of fluorescence intensity ratio thermometry for an upconversion pumped system. <i>Journal of Luminescence</i> , 2017 , 192, 184-187	3.8	1
53	Elimination of Severe Near-Field Spatial Variations of Ultrasonic Transducers Using J_0 -Power Bessel Function Amplitude Distribution. <i>Physical Review Applied</i> , 2019 , 12,	4.3	1
52	Non-contact localized probing of ferroelectric phase transitions in Li ⁺ /Er ³⁺ :BaTiO ₃ ceramics using fluorescence abnormalities. <i>Applied Physics Letters</i> , 2020 , 116, 042901	3.4	1
51	Effects of surroundings on upconversion luminescent properties of rare earth luminescence centers. <i>CrystEngComm</i> , 2014 , 16, 9974-9978	3.3	1
50	Poling induced higher order nonlinearity changes in lead zirconate titanate ceramic. <i>Solid State Communications</i> , 2012 , 152, 165-167	1.6	1
49	New method for measuring time-resolved spectra of lanthanide emission using square-wave excitation. <i>Review of Scientific Instruments</i> , 2013 , 84, 113106	1.7	1
48	High Concentration Silver/Organic or Silver/Inorganic Nanocomposites and Their Optical Properties 2011 ,		1
47	Orientation dependence of coupling between Lamb and shear horizontal waves in (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ single crystal plates 2009 ,		1
46	Finite element study on random design of 2-2 composite transducer 1997 ,		1

45	Nano-structured TiO ₂ film fabricated at room temperature and its acoustic properties. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 162001	3	1
44	Time evolution of polar regions in (Sr _{0.65} Ba _{0.35}) ₂ Nb ₅ O ₁₅ single crystal. <i>Phase Transitions</i> , 2006 , 79, 513-524	1.3	1
43	Multifunctional Materials: The Basis for Adaptronics 2007 , 29-53		1
42	Numerical Differentiation/Integration 2005 , 209-262		1
41	Numerical modeling and experimental investigation of resonance properties of microwave capacitors. <i>Microwave and Optical Technology Letters</i> , 2001 , 29, 54-60	1.2	1
40	Imaging of ferroelectric domains in LiTaO ₃ by environmental scanning electron microscopy. <i>Ferroelectrics</i> , 1999 , 222, 257-262	0.6	1
39			1
38			1
37	The twin structures and the piezoelectric effect in ferroelectric ceramics. <i>Ferroelectrics</i> , 1991 , 120, 55-56	0.6	1
36	Optical absorption from polarons and bipolarons in a tetrahedrally bonded homopolymer. <i>Physical Review B</i> , 1988 , 38, 1800-1805	3.3	1
35	Lead-free Ultrasonic Phased Array Transducer for Human Heart Imaging. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , PP,	3.2	1
34	Ferroelectric properties of Ag doped PbZr _{0.53} Ti _{0.47} O ₃ thin film deposited by sol-gel process. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 2592-2599	2.1	1
33	Enhanced mechanical properties in ceramic multilayer composites through integrating crystallographic texture and second-phase toughening. <i>Ceramics International</i> , 2021 , 47, 31222-31228	5.1	1
32	Second harmonic generation of shear waves in crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004 , 51, 153-62	3.2	1
31	Characterizing ultra-thin matching layers of high-frequency ultrasonic transducer based on impedance matching principle. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2004 , 51, 211-5	3.2	1
30	Computer-aided characterization of ferroelectric phase transitions and domain structures using polarizing light microscopy. <i>Applied Physics Letters</i> , 2022 , 120, 072902	3.4	1
29	Ultrahigh strain in textured BCZT-based lead-free ceramics with CuO sintering agent. <i>Journal of Materials Science and Technology</i> , 2022 , 117, 207-214	9.1	1
28	Electric field dependence of nonlinearity parameters and third order elastic constants of 0.70Pb(Mg(13)Nb(23))O(3)-0.30PbTiO(3) single crystal. <i>Applied Physics Letters</i> , 2010 , 96, 52905	3.4	0

27	Finite-difference time-domain simulation of resonant modes of rectangular dielectric resonators. <i>Microwave and Optical Technology Letters</i> , 2003 , 36, 160-164	1.2	o
26	Elastic property characterization in thin samples of sub-wavelength in thickness. <i>Ferroelectrics</i> , 1998 , 206, 355-363	0.6	o
25	Temperature dependence of electrical and optical properties in Eu ³⁺ doped Pb(Mg ^{1/3} Nb ^{2/3})O ₃ -PbZrO ₃ -PbTiO ₃ ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2022 , 897, 163162	5.7	o
24	Temperature Dependence of Normalized Sensitivity of Love Wave Sensor of Unidirectional Carbon Fiber Epoxy Composite on Mn-Doped 0.24PIN-0.46PMN-0.30PT Single Crystal Substrate. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8442	2.6	o
23	NIR Photocatalysis: Plasmonic Enhanced Reactive Oxygen Species Activation on Low-Work-Function Tungsten Nitride for Direct Near-Infrared Driven Photocatalysis (Small 45/2020). <i>Small</i> , 2020 , 16, 2070247	11	o
22	Phase field simulation of de-aging process in acceptor-doped ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152503	5.7	o
21	Temperature- and electric-field-dependent electrical properties and nanoscale domain structures in PIN-0.49PMN-0.27PT single crystal. <i>Ceramics International</i> , 2021 , 47, 25875-25882	5.1	o
20	Self-heating phenomenon of piezoelectric elements excited by a tone-burst electric field. <i>Ultrasonics</i> , 2021 , 117, 106562	3.5	o
19	Dependence of coercive field of PINPMNPT single crystal on temperature and frequency. <i>Journal of Applied Physics</i> , 2022 , 131, 124102	2.5	o
18	Ultrasonic pulse-echo technique for the characterization of elastic constants of single domain Pb(Zn ^{1/3} Nb ^{2/3})O ₃ B.5%PbTiO ₃ single crystals with 3m symmetry. <i>Journal of Materials Science</i> , 2020 , 55, 12737-12746	4.3	
17	Polarized Raman study on phase transitions of the nanodomains in 0.24Pb(In ^{1/2} Nb ^{1/2})O ₃ 0.43Pb(Mg ^{1/3} Nb ^{2/3})O ₃ 0.33PbTiO ₃ ferroelectric single crystal. <i>Integrated Ferroelectrics</i> , 2016 , 170, 155-161	0.8	
16	Aging and thermal stability of [001] _c - and [111] _c -poled 0.63Pb(Mg ^{1/3} Nb ^{2/3})O ₃ 0.37PbTiO ₃ single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16207-16214	2.1	
15	Elastic anomalies near phase transitions of lead-free (Na,Bi)TiO ₃ and (Ba,Zr)TiO ₃ ferroelectric ceramics. <i>Science Bulletin</i> , 2014 , 59, 2287-2291		
14	k ₃₂ -type low-frequency bimorph with giant electromechanical coupling factor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 2183-2187	1.6	
13	Pyroelectric properties of finite size ferroelectric thin films with structural transition zones. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2028-2033	2.8	
12	Pyroelectric Study on Dipolar Alignment in 0.69Pb(Mg ^{1/3} Nb ^{2/3})O ₃ -0.31PbTiO ₃ Single Crystals. <i>Chinese Physics Letters</i> , 2012 , 29, 047702	1.8	
11	Phase transformation properties of finite size ferroelectric thin film with structural transition zones. <i>Journal of Applied Physics</i> , 2008 , 104, 124105	2.5	
10	Matlab Usage and Computational Errors 2005 , 1-69		

- 9 Dielectric enhancement in polycrystalline BaTiO₃/Ba_{0.6}Sr_{0.4}TiO₃ multilayered thin films on Pt/Ti/SiO₂/Si substrates. *Journal of Materials Science Letters*, **2001**, 20, 2105-2107
- 8 Preparation variables for the GdBa₂Cu₃O_{6.5} superconductive ceramics. *Materials Research Bulletin*, **1988**, 23, 421-428 5.1
- 7 Involvement of hydrogen peroxide in sonodynamical effect with sinoporphyrin sodium in hypoxic situation. *Free Radical Research*, **2021**, 1-14 4
- 6 Heterogeneous Nucleation in a 2-D Model of Martensitic Transformation with Volume Changes. *Solid Mechanics and Its Applications*, **2002**, 213-220 0.4
- 5 The need of electron microscopy in the study of domains and domain walls in ferroelectrics. *Proceedings Annual Meeting Electron Microscopy Society of America*, **1994**, 52, 550-551
- 4 Design simulation of composite transducers. *Journal of the Acoustical Society of America*, **1997**, 101, 3141-3141 1.3141
- 3 Energy Integration Method for Calculating k and its Application in Design Optimization of Disk Resonators via Convex Edge. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2021**, 68, 734-741 3.2
- 2 Effects of polymeric filler on polarization fatigue of 1-3 0.74Pb(Mg_{1/3}Nb_{2/3})O₃-0.26PbTiO₃ single crystal/polymer composites. *Journal of Applied Physics*, **2018**, 124, 214101 2.5
- 1 The Abnormal Physicochemical Phenomena of Singlet Oxygen Sensor Green in Water in the Presence of Ultrasound. *ChemistrySelect*, **2021**, 6, 6631-6635 1.8