Genshui Wang

List of Publications by Citations

181 papers	3,195 citations	26 h-index	47 g-index
195 ext. papers	3,677 ext. citations	3.5 avg, IF	5.01 L-index

#	Paper	IF	Citations
181	Energy-Storage Properties of 0.89Bi0.5Na0.5TiO3–0.06BaTiO3–0.05K0.5Na0.5NbO3 Lead-Free Anti-ferroelectric Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 4382-4386	3.8	234
180	Antiferroelectrics for Energy Storage Applications: a Review. *Advanced Materials Technologies*, **2018**, 3, 1800111	6.8	184
179	Temperature-dependent stability of energy storage properties of Pb0.97La0.02(Zr0.58Sn0.335Ti0.085)O3 antiferroelectric ceramics for pulse power capacitors. *Applied Physics Letters*, **2015**, 106, 262901	3.4	174
178	Charge–Discharge Properties of an Antiferroelectric Ceramics Capacitor Under Different Electric Fields. *Journal of the American Ceramic Society*, **2010**, 93, 4015-4017	3.8	167
177	Charge-discharge properties of lead zirconate stannate titanate ceramics. *Journal of Applied Physics* , **2009**, 106, 034105	2.5	115
176	High charge-discharge performance of Pb0.98La0.02(Zr0.35Sn0.55Ti0.10)0.995O3 antiferroelectric ceramics. *Journal of Applied Physics*, **2016**, 120, 074107	2.5	81
175	La/Mn Codoped AgNbO3 Lead-Free Antiferroelectric Ceramics with Large Energy Density and Power Density. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 16151-16159	8.3	66
174	c/a Ratio-Dependent Energy-Storage Density in (0.9–x)Bi0.5Na0.5TiO3–xBaTiO3–0.1K0.5Na0.5NbO3 Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 4162-4164	3.8	64
173	Linear composition-dependent phase transition behavior and energy storage performance of tetragonal PLZST antiferroelectric ceramics. *Journal of Alloys and Compounds*, **2017**, 691, 721-725	5.7	52
172	Doped Pb(Zr,Sn,Ti)O3 Slim-Loop Ferroelectric Ceramics for High-Power Pulse Capacitors Application. *Ferroelectrics*, **2008**, 363, 56-63	0.6	50
171	The grain size effect of the Pb(Zr0.45Ti0.55)O3 thin films deposited on LaNiO3-coated silicon by modified sol–gel process. *Journal of Crystal Growth*, **2004**, 260, 109-114	1.6	46
170	PbZr0.5Ti0.5O3/La0.5Sr0.5CoO3 heterostructures prepared by chemical solution routes on silicon with no fatigue polarization. *Applied Physics Letters*, **2001**, 79, 3476-3478	3.4	45
169	Preparation of highly (100)-oriented LaNiO3 nanocrystalline films by metalorganic chemical liquid deposition. *Journal of Crystal Growth*, **2005**, 277, 450-456	1.6	44
168	Linear temperature scaling of ferroelectric hysteresis in Mn-doped Pb(Mn1/3Sb2/3)O3-Pb(Zr,Ti)O3 ceramic with internal bias field. *Applied Physics Letters*, **2013**, 102, 142903	3.4	41
167	Reversible pyroelectric response in Pb0.955La0.03(Zr0.42Sn0.40Ti0.18)O3 ceramics near its phase transition. *Applied Physics Letters*, **2009**, 94, 252902	3.4	39
166	Effect of residual stress on energy storage property in PbZrO3 antiferroelectric thin films with different orientations. *Applied Physics Letters*, **2013**, 103, 162903	3.4	37
165	Microwave properties of epitaxial (111)-oriented Ba0.6Sr0.4TiO3 thin films on Al2O3(0001) up to 40 GHz. *Applied Physics Letters*, **2010**, 97, 162909	3.4	35

164	Electric Field-Dependent Dielectric Properties and High Tunability of Porous Ba0.5Sr0.5TiO3 Ceramics. *Journal of the American Ceramic Society*, **2007**, 90, 1327-1330	3.8	35
163	Low temperature synthesis of Ba0.70Sr0.30TiO3 powders by the molten-salt method. *Materials Chemistry and Physics*, **2007**, 106, 164-167	4.4	32
162	Enhanced ferroelectric properties and thermal stability of Mn-doped 0.96(Bi0.5 Na0.5)TiO3-0.04BiAlO3 ceramics. *Journal of the American Ceramic Society*, **2017**, 100, 1030-1036	3.8	31
161	Dielectric functions of ferroelectric Bi3.25La0.75Ti3O12 thin films on Si(100) substrates. *Applied Physics Letters*, **2003**, 83, 3686-3688	3.4	30
160	Enhanced fatigue property of PZT thin films using LaNiO3 thin layer as bottom electrode. *Applied Physics A: Materials Science and Processing*, **2001**, 73, 323-325	2.6	29
159	Unveiling the ferrielectric nature of PbZrO-based antiferroelectric materials. *Nature Communications*, **2020**, 11, 3809	17.4	28
158	Field and Frequency Dependence of the Dynamic Hysteresis in Lead Zirconate Titanate Solid Solutions. *Journal of the American Ceramic Society*, **2014**, 97, 213-219	3.8	27
157	Optical properties of Bi3.25La0.75Ti3O12 thin films using spectroscopic ellipsometry. *Journal of Applied Physics*, **2003**, 93, 3811-3815	2.5	26
156	Properties of highly (100) oriented Ba0.9Sr0.1TiO3/LaNiO3 heterostructures prepared by chemical solution routes. *Applied Physics Letters*, **2001**, 78, 4172-4174	3.4	26
155	Electrical properties of lead-free KNN films on SRO/STO by RF magnetron sputtering. *Ceramics International*, **2014**, 40, 1195-1198	5.1	25
154	Effect of electrode materials on the scaling behavior of energy density in Pb(Zr0.96Ti0.03)Nb0.01O3 antiferroelectric films. *Applied Physics Letters*, **2012**, 101, 112905	3.4	25
153	Formation and control of mechanism for the preparation of ultra-fine barium strontium titanate powders by the citrate precursor method. *Materials Research Bulletin*, **2007**, 42, 1602-1610	5.1	25
152	The third-order optical nonlinearity of Bi3.25La0.75Ti3O12 ferroelectric thin film on quartz. *Thin Solid Films*, **2006**, 496, 333-335	2.2	25
151	Dielectric and tunable properties of columnar Ba0.6Sr0.4TiO3-MgO composites prepared by spark plasma sintering. *Applied Physics Letters*, **2011**, 99, 202905	3.4	23
150	Electric field tunable thermal stability of energy storage properties of PLZST antiferroelectric ceramics. *Journal of the American Ceramic Society*, **2017**, 100, 2382-2386	3.8	22
149	Structure-related infrared optical properties of BaTiO3 thin films grown on Pt/Ti/SiO2/Si substrates. *Journal of Physics and Chemistry of Solids*, **2003**, 64, 2445-2450	3.9	22
148	Orientation Control Growth of Lanthanum Nickelate Thin Films Using Chemical Solution Deposition. *Journal of the American Ceramic Society*, **2007**, 90, 3635-3637	3.8	21
147	Electrical and optical properties of Bi2Ti2O7 thin films prepared by metalorganic decomposition method. *Applied Physics Letters*, **2004**, 85, 1214-1216	3.4	21

146	Enhanced pyroelectric properties in (Bi0.5Na0.5)TiO3BiAlO3NaNbO3 ternary system lead-free ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 4044-4052	3.8	20
145	NANOSCALE INVESTIGATIONS OF ELECTRICAL PROPERTIES IN RELAXOR Pb(Mg1/3Nb2/3)O3-PbTiO3 THIN FILMS DEPOSITED ON PLATINUM AND LaNiO3 ELECTRODES BY MEANS OF LOCAL PIEZOELECTRIC RESPONSE. *Integrated Ferroelectrics*, **2007**, 91, 80-96	0.8	20
144	Low Temperature Deposition of High Performance Lead Strontium Titanate Thin Films by in situ RF Magnetron Sputtering. *Journal of the American Ceramic Society*, **2013**, 96, 1682-1684	3.8	19
143	Indentation modulus and hardness of Pb(Zr, Ti)O3 solgel films deposited on Pt and LaNiO3 electrodes: An estimation of the CijD compliances. *Journal of the European Ceramic Society*, **2007**, 27, 223-230	6	19
142	Effect of excess Pb on crystallinity and ferroelectric properties of PZT(40/60) films on LaNiO3 coated Si substrates by MOD technique. *Applied Surface Science*, **2005**, 240, 275-279	6.7	19
141	Novel AgNbO3-based lead-free ceramics featuring excellent pyroelectric properties for infrared detecting and energy-harvesting applications via antiferroelectric/ferroelectric phase-boundary design. *Journal of Materials Chemistry C*, **2019**, 7, 4403-4414	7.1	18
140	High performance Bi0.5Na0.5TiO3-BiAlO3-K0.5Na0.5NbO3 lead-free pyroelectric ceramics for thermal detectors. *Applied Physics Letters*, **2018**, 112, 142903	3.4	18
139	MicrostructureDielectric Properties Relationship in Ba0.6Sr0.4TiO3Mg2SiO4Al2O3 Composite Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 161-166	3.8	18
138	Orientation control of LaNiO3 thin films by RF magnetron sputtering with different oxygen partial pressure. *Journal of Crystal Growth*, **2009**, 311, 4241-4246	1.6	18
137	The effect of LaNiO3 bottom electrode thickness on ferroelectric and dielectric properties of (100) oriented PbZr0.53Ti0.47O3 films. *Journal of Crystal Growth*, **2005**, 284, 184-189	1.6	18
136	Characteristics of highly (001) oriented (K,Na)NbO3 films grown on LaNiO3 bottom electrodes by RF magnetron sputtering. *Ceramics International*, **2013**, 39, 1359-1363	5.1	17
135	Dielectric properties of La/Mn codoped Ba0.63Sr0.37TiO3 thin films prepared by RF magnetron sputtering. *Ceramics International*, **2014**, 40, 12573-12577	5.1	17
134	Frequency Dependence of Coercive Field in Soft Pb(Zr1xTix)O3 (0.20xx0.60) Bulk Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 4165-4168	3.8	17
133	Effect of Donor, Acceptor, and DonorAcceptor Codoping on the Electrical Properties of Ba0.6Sr0.4TiO3 Thin Films for Tunable Device Applications. *Journal of the American Ceramic Society*, **2009**, 92, 2759-2761	3.8	17
132	Investigation on FR(LT)FR(HT) phase transition and pyroelectric properties of porous Zr-rich lead zirconate titante ceramics. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 140, 5-9	3.1	17
131	Mechanical properties measured by nano-indentation of Pb(Zr, Ti)03 solgel films deposited on Pt and LaNi03 electrodes. *Surface and Coatings Technology*, **2006**, 201, 3155-3162	4.4	17
130	Lead-free (Ag,K)NbO materials for high-performance explosive energy conversion. *Science Advances*, **2020**, 6, eaba0367	14.3	16
129	Temperature-dependent dielectric and energy-storage properties of Pb(Zr,Sn,Ti)O3 antiferroelectric bulk ceramics. *AIP Advances*, **2016**, 6, 055203	1.5	16

128	Enhanced dielectric tunability of Ba0.55Sr0.45TiO3/ZnAl2O4 composite ceramic. *Ceramics International*, **2015**, 41, S551-S556	5.1	16
127	Dielectric, ferroelectric and piezoelectric properties of 100-oriented Pb0.4Sr0.6TiO3 thin film sputtered on LaNiO3 electrode. *Journal of Crystal Growth*, **2012**, 347, 15-18	1.6	16
126	Enhanced Ferroelectric Properties of Intragranular-Porous Pb(Zr0.95Ti0.05)O3 Ceramic Fabricated with Carbon Nanotubes. *Journal of the American Ceramic Society*, **2010**, 93, 642-645	3.8	16
125	Improved Dielectric Properties of Bi1.5Zn1.0Nb1.5O7/(111)-Oriented Ba0.6Sr0.4TiO3 Bilayered Films for Tunable Microwave Applications. *Journal of the American Ceramic Society*, **2010**, 93, 1215-1217	3.8	16
124	Co-contributions of the magnetostriction and magnetoresistance to the giant room temperature magnetodielectric response in multiferroic composite thin films. *Solid State Communications*, **2011**, 151, 982-984	1.6	16
123	Combined annealing temperature and thickness effects on properties of PbZr0.53Ti0.47O3 films on LaNiO3/Si substrate by sol–gel process. *Journal of Crystal Growth*, **2006**, 293, 370-375	1.6	16
122	Investigations on the infrared optical properties of BaTiO3ferroelectric thin films by spectroscopic ellipsometry. *Semiconductor Science and Technology*, **2003**, 18, 449-453	1.8	16
121	Effect of CuO Addition on the Microstructure and Electric Properties of Low-Temperature Sintered 0.25PMN–0.40PT–0.35PZ Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 24-27	3.8	15
120	Investigation of Phase Structure and Electrical Properties of Doped PMN–PZT Ceramics Prepared by Different Methods. *Journal of the American Ceramic Society*, **2012**, 95, 445-448	3.8	15
119	Evidence of macro–micro domain transition in poled PMN–PZT ceramics. *Ceramics International*, **2013**, 39, 9299-9303	5.1	15
118	Poling temperature tuned electric-field-induced ferroelectric to antiferroelectric phase transition in 0.89Bi0.5Na0.5TiO3-0.06BaTiO3-0.05K0.5Na0.5NbO3 ceramics. *Journal of Applied Physics*, **2011**, 110, 094109	2.5	15
117	The model of electric field dependent dielectric properties for porous ceramics. *Journal of Applied Physics*, **2008**, 103, 114103	2.5	15
116	Giant power output in lead-free ferroelectrics by shock-induced phase transition. *Physical Review Materials*, **2019**, 3,	3.2	15
115	Scaling behavior for (Bi0.5Na0.5)TiO3 based lead-free relaxor ferroelectric ceramics. *Journal of Applied Physics*, **2017**, 122, 064102	2.5	14
114	Microwave Properties of Bi1.5Zn1.0Nb1.5O7/Ba0.6Sr0.4TiO3 Hetero Layered Films Directly Sputtered on Si up to 50 GHz. *Journal of the American Ceramic Society*, **2011**, 94, 2262-2265	3.8	14
113	The Effect of Excess PbO on Dielectric and Pyroelectric Properties of Lead Scandium Tantalate Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 2735-2742	3.8	14
112	Microscopic Region Effect on the Dielectric Property of the Diffused Phase Transition Ferroelectrics: A Reasonable and Effective Diffuseness Characterizing Parameter. *Journal of the American Ceramic Society*, **2010**, 93, 4011-4014	3.8	14
111	Effect of phase structure on the dynamic hysteresis scaling behavior in (1−)BiScO3–PbTiO3 bulk ceramics. *Journal of Alloys and Compounds*, **2010**, 500, 56-60	5.7	14

110	Abnormal electronic transition variations of lanthanum-modified lead zironate stannate titanate ceramics near morphotropic phase boundary: A spectroscopic evidence. *Applied Physics Letters*, **2012**, 101, 011914	3.4	14
109	Effects of thickness on the infrared optical properties of Ba0.9Sr0.1TiO3 ferroelectric thin films. *Applied Physics A: Materials Science and Processing*, **2004**, 78, 757-760	2.6	14
108	Preparation and characterization of multi-coating PZT thick films by sol□gel process. *Journal of Crystal Growth*, **2004**, 264, 307-311	1.6	14
107	Optimization of PST Thin Films Grown by Sputtering and Complete Dielectric Performance Evaluation: An Alternative Material for Tunable Devices. *Journal of the American Ceramic Society*, **2011**, 94, 4323-4328	3.8	13
106	Perfectly (001)- and (111)-Oriented (Ba,Sr)TiO3 Thin Films Sputtered on Pt/TiOx/SiO2/Si Without Buffer Layers. *Journal of the American Ceramic Society*, **2010**, 93, 350-352	3.8	13
105	Magnetocapacitance effects of Pb0.7Sr0.3TiO3/La0.7Sr0.3MnO3 thin film on Si substrate. *Applied Physics Letters*, **2011**, 98, 052910	3.4	12
104	Electrical properties of (Na,Ce) doped Bi5Ti3FeO15 ceramics. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 1047-1051	1.6	12
103	Highly (111)-oriented PbTiO3 films prepared by rf planar magnetron sputtering and their optical properties. *Surface and Coatings Technology*, **2002**, 160, 173-176	4.4	12
102	Temperature-dependent ferroelectric dynamic hysteresis properties of modified PMN□PZT relaxor ceramics. *Physica Status Solidi - Rapid Research Letters*, **2013**, 7, 438-442	2.5	11
101	Effects of Ultrathin TiOx Seeding Layer on Crystalline Orientation and Electrical Properties of Sputtered (Ba,Sr)TiO3 Thin Films. *Journal of the American Ceramic Society*, **2010**, 93, 2136-2139	3.8	11
100	Structural, Dielectric, and Pyroelectric Properties of (1□x)PbSc0.5Ta0.5O3□(x)PbHfO3 Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 3023-3026	3.8	11
99	Quantitative dependence of the properties of Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ferroelectric ceramics on porosity. *Materials Research Bulletin*, **2010**, 45, 564-567	5.1	11
98	Infrared spectroscopic ellipsometry of (Pb, La)(Zr, Ti)O3 thin films on platinized silicon. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2004**, 320, 478-486	2.3	11
97	Structural and optical properties of Bi3.25La0.75Ti3O12 ferroelectric thin films prepared by chemical solution methods. *Applied Physics A: Materials Science and Processing*, **2003**, 76, 83-86	2.6	11
96	Phonon mode and phase transition behaviors of (1-x)PbSc1/2Ta1/2O3-xPbHfO3 relaxor ferroelectric ceramics determined by temperature-dependent Raman spectra. *Applied Physics Letters*, **2011**, 99, 041902	3.4	10
95	Effect of Sintering Atmosphere on the Microstructure and Electrical Properties of Donor-Doped Barium Strontium Calcium Titanate Pyroelectric Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 2003-2006	3.8	10
94	Microgeometry effect on the properties of Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ferroelectric ceramics. *Materials Research Bulletin*, **2011**, 46, 1243-1246	5.1	10
93	Dynamic ferroelectric hysteresis scaling behavior of □bulk ceramics. *Solid State Communications*, **2010**, 150, 1045-1047	1.6	10

92	Depoling of porous Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ferroelectric ceramics under shock wave load. *Current Applied Physics*, **2010**, 10, 1387-1390	2.6	10
91	Effect of thermal strain on structure and polarization fatigue of CSD-derived PbZr0.53Ti0.47O3/LaNiO3 hetero-structures. *Applied Physics A: Materials Science and Processing*, **2007**, 88, 657-660	2.6	10
90	Fabrication and Electrical Properties of Lead Zirconate Titanate Thick Films on Si Substrate by Using Lanthanum Nickelate Buffer Layer. *Journal of the American Ceramic Society*, **2006**, 89, 3417-3420	3.8	10
89	Dielectric and enhanced pyroelectric properties of (Pb0.325Sr0.675)TiO3 ceramics under direct current bias field. *Applied Physics Letters*, **2012**, 101, 262901	3.4	9
88	Phase diagram of (1□%)(0.89Bi0.5Na0.5TiO3□.06BaTiO3□.05K0.5Na0.5NbO3)□%MnO2 lead-free anti-ferroelectric ceramics. *Solid State Communications*, **2012**, 152, 1670-1672	1.6	9
87	Pyroelectric Properties of Highly Ordered Pb(Sc0.5Ta0.5)O3 Ceramics by a Two-Step Sintering Technique. *Journal of the American Ceramic Society*, **2010**, 93, 4030-4032	3.8	9
86	Scaling behaviors of dynamic hysteresis in Zr-rich lead zirconate titanate bulk ceramics. *Solid State Communications*, **2009**, 149, 663-666	1.6	9
85	Composition dependence of structural and optical properties for sol-gel derived (100)-oriented Ba1□SrxTiO3 thin films. *Applied Physics Letters*, **2007**, 91, 061104	3.4	9
84	Dielectric and ferroelectric properties of lanthanum-modified lead zirconate stannate titanate (42/40/18) ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 3979-3988	3.8	8
83	Phase characteristics of 0.92Bi0.5Na0.5TiO3-0.08BiAlO3 ceramics. *Applied Physics Letters*, **2015**, 106, 092903	3.4	8
82	Investigations of the Optical Properties of Ba0.9Sr0.1TiO3Ferroelectric Thin Films by Spectroscopic Ellipsometry. *Japanese Journal of Applied Physics*, **2003**, 42, 1400-1404	1.4	8
81	The optical properties of Bi3.25La0.75Ti3O12 thin films with different thickness prepared by chemical solution deposition. *Materials Research Bulletin*, **2004**, 39, 1223-1229	5.1	8
80	Optical characterization of ferroelectric Bi (mathsf{_{3.25}})La (mathsf{_{0.75}})Ti(mathsf{_{3}})O (mathsf{_{12}}) thin films. *European Physical Journal B*, **2004**, 38, 431-436	1.2	8
79	Effect of substitution of vanadium on the structure and electrical properties of Bi3.25La0.75Ti3O12 thin films. *Applied Physics A: Materials Science and Processing*, **2004**, 78, 1089-1091	2.6	8
78	Enhancing pyroelectric properties in (Pb1□.5La)(Zr0.86Ti0.14)O3 ceramics through composition modulated phase transition. *Ceramics International*, **2019**, 45, 7114-7119	5.1	8
77	An investigation on phase transition behaviors in MgO-doped Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ferroelectric ceramics by Raman and dielectric measurements. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2015**, 193, 170-174	3.1	7
76	The depolarization performances of 0.97PbZrO3□.03Ba(Mg1/3Nb2/3)O3 ceramics under hydrostatic pressure. *Applied Physics Letters*, **2018**, 112, 062901	3.4	7
75	Effect of interface configurations on the dynamic scaling behavior of Pb(Zr0.53Ti0.47)O3 thin films. *Applied Physics Letters*, **2014**, 104, 092904	3.4	7

74	Crystallographic orientation dependence of dielectric response in lead strontium titanate thin films. *Journal of Crystal Growth*, **2013**, 377, 143-146	1.6	7
73	Enhanced tunability performance of low temperature crystallized Pb0.4Sr0.6TiO3 thin films derived from distinct microstructure. *Materials Letters*, **2013**, 107, 361-363	3.3	7
72	Enhanced performances of sandwich structure Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ferroelectric ceramics for pulsed power application. *Materials Research Bulletin*, **2014**, 51, 167-170	5.1	7
71	Formation Mechanism of Intragranular Pores in Pb(Zr0.95Ti0.05)O3 Ferroelectric Ceramic. *Journal of the American Ceramic Society*, **2012**, 95, 223-226	3.8	7
70	Low-temperature crystallization of high performance Pb0.4Sr0.6TiO3 films compatible with the current silicon-based microelectronic technology. *Applied Physics Letters*, **2013**, 102, 212901	3.4	7
69	Identical scaling behavior of saturated dynamic hysteresis in rhombohedral lead zirconate titanate bulk ceramics. *Journal of Applied Physics*, **2013**, 114, 244101	2.5	7
68	Polarization switching process of soft lead zirconate titanate bulk ceramics. *Solid State Communications*, **2010**, 150, 720-724	1.6	7
67	Local Piezoelectric Hysteresis Loops for the Study of Electrical Properties of 0.7Pb(Mg1/3Nb2/3)O3-0.3PbTiO3 Thin Films: Bottom Electrode Dependence and Film Thickness Effect. *Ferroelectrics*, **2008**, 362, 21-29	0.6	7
66	Improved pyroelectric figures of merit of Mn-doped Zr-rich lead zirconate titanate bulk ceramics near room temperature for energy harvesting applications. *Journal of Alloys and Compounds*, **2019**, 779, 450-455	5.7	7
65	Mechanical induced electrical failure of shock compressed PZT95/5 ferroelectric ceramics. *Current Applied Physics*, **2017**, 17, 448-453	2.6	6
64	Temperature dependence of dynamic hysteresis behavior in Pb0.4Sr0.6TiO3 ferroelectric films. *Solid State Communications*, **2014**, 192, 89-92	1.6	6
63	Enhanced shock performance by disperse porous structure:A case study in PZT95/5 ferroelectric ceramics. *Journal of the American Ceramic Society*, **2017**, 100, 5693-5699	3.8	6
62	Effect of polarization switching cycles on the dielectric response and Rayleigh constant in Pb0.4Sr0.6TiO3 thin films. *Journal of Applied Physics*, **2014**, 115, 064102	2.5	6
61	Dielectric and pyroelectric properties of poled Ba0.6Sr0.3Ca0.1TiO3 ceramics. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 1127-1131	1.6	6
60	Effect of external fields on the switching current in PZT ferroelectric ceramics. *Solid State Communications*, **2010**, 150, 101-103	1.6	6
59	Etching characteristics and absence of electrical properties damage of PZT thin films etched before crystallization. *Microelectronic Engineering*, **2008**, 85, 670-674	2.5	6
58	Thickness Dependence of Infrared Optical Properties of LaNiO3Thin Films Prepared on Platinized Silicon Substrates. *Japanese Journal of Applied Physics*, **2003**, 42, 7045-7049	1.4	6
57	Growth control of RF magnetron sputtered SrRuO3 thin films through the thickness of LaNiO3 seed layers. *Ceramics International*, **2016**, 42, 13925-13931	5.1	5

56	High room-temperature pyroelectric response of MgO-modified Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ceramics. *Infrared Physics and Technology*, **2013**, 61, 325-329	2.7	5
55	Effects of sintering atmosphere on microstructure and electrical properties of BiScO3–PbTiO3 high-temperature piezoceramics. *Journal of Alloys and Compounds*, **2012**, 525, 149-153	5.7	5
54	Growth and Electric Properties of MPB BiScO3–PbTiO3 Thin Films on La0.7Sr0.3MnO3-Coated Silicon Substrates. *Journal of the American Ceramic Society*, **2010**, 93, 1583	3.8	5
53	Infrared optical properties of Bi2Ti2O7 thin films by spectroscopic ellipsometry. *Thin Solid Films*, **2003**, 440, 190-194	2.2	5
52	High temperature dielectric relaxation anomaly of Y3+ and Mn2+ doped barium strontium titanate ceramics. *Journal of Applied Physics*, **2014**, 116, 144103	2.5	4
51	Pyroelectric response mechanism of barium strontium titanate ceramics in dielectric bolometer mode: The underlying essence of the enhancing effect of direct current bias field. *Applied Physics Letters*, **2013**, 102, 242911	3.4	4
50	Investigation on the Phase Transition Behaviors in Pb0.97La0.02(Zr0.42Sn0.40Ti0.18)O3 Ceramics. *Ferroelectrics*, **2010**, 402, 150-155	0.6	4
49	Electrostrictive and Piezoelectric Behavior of PMN-PT Thin Films. *Ferroelectrics*, **2007**, 351, 15-24	0.6	4
48	Spectroscopic-ellipsometry characterization of the interface layer of PbZr0.40Ti0.60O3/LaNiO3/Pt multilayer thin films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 1152-1157	2.9	4
47	Structure and Optical Properties of Ba0.9Sr0.1TiO3 Ferroelectric Thin Films Prepared by Chemical Solution Routes. *Physica Status Solidi A*, **2002**, 194, 56-63		4
46	Structural and electrical properties of polycrystalline PbZr0.5Ti0.5O3 films deposited on La0.5Sr0.5CoO3 coated silicon by sol-gel process. *Applied Physics A: Materials Science and Processing* , **2002**, 74, 707-710	2.6	4
45	Effect of hydrolysis on properties of PbZr0.50Ti0.50O3 ferroelectric thin films derived from a modified sol–gel process. *Journal of Crystal Growth*, **2001**, 233, 269-274	1.6	4
44	Infrared optical properties of Bi3.25La0.75Ti3O12ferroelectric thin films using spectroscopic ellipsometry. *Journal Physics D: Applied Physics*, **2002**, 35, 3221-3224	3	4
43	Investigation of novel ferroelectric/gyromagnetic ferrite (Pb,Sr)TiO 3 /Y 3 Fe 5 O 12 layered thin films with potential applications in magnetically and electrically tuning devices. *Materials Letters*, **2017**, 195, 182-185	3.3	3
42	Incommensurately Modulated Structures in Zr-rich PZT: Periodic Nanodomains, Reciprocal Configuration, and Nucleation. *Crystal Growth and Design*, **2018**, 18, 4395-4402	3.5	3
41	Magnetic field modulated dielectric relaxation behavior of Pt/BiScO3-PbTiO3/La0.7Sr0.3MnO3 heterostructure in metal-insulator transition region: An equivalent-circuit method. *Journal of Applied Physics*, **2011**, 110, 114118	2.5	3
40	The Phase Transition Behavior of (1−x)Pb(Sc0.5Ta0.5)O3–xPbHfO3 Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 2530-2534	3.8	3
39	Highly Temperature Stable Dielectric Properties of Nanograin Barium Strontium Titanate Thin Films Grown on Silicon Substrate. *Journal of the American Ceramic Society*, **2009**, 92, 2795-2797	3.8	3

38	PREPARATION AND CHARACTERIZATIONS OF PbZr0.53Ti0.47O3 THICK FILMS ON LaNiO3 COATED Si BY MODIFIED METALLORGANIC DECOMPOSITION PROCESS. *Integrated Ferroelectrics*, **2006**, 80, 11-20	0.8	3
37	LOW-TEMPERATURE PREPARATION OF Pb(ZrxTi1−x)O3 THIN FILM. *Integrated Ferroelectrics*, **2006**, 81, 123-128	0.8	3
36	Spectroscopic ellipsometry investigations of PLT ferroelectric thin films with various La concentrations in the mid-infrared spectral region. *Applied Physics A: Materials Science and Processing*, **2005**, 80, 841-846	2.6	3
35	PYROELECTRIC CHARACTERIZATION OF HYSTERESIS PHENOMENA ASYMMETRY IN PZT FILM ON SILICON STRUCTURES. *Integrated Ferroelectrics*, **2005**, 73, 27-35	0.8	3
34	Ferroelectric Ceramics for Pyroelectric Detection Applications: A Review. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2021**, 68, 242-252	3.2	3
33	High-energy storage density in NaNbO3-modified (Bi0.5Na0.5)TiO3-BiAlO3-based lead-free ceramics under low electric field. *Journal of the American Ceramic Society*, **2021**, 104, 2610-2620	3.8	3
32	Enhanced pyroelectric properties of Pb0.3Ca0.15Sr0.55TiO3 ceramic with first-order dominated phase transition under low bias field. *Applied Physics Letters*, **2017**, 110, 102905	3.4	2
31	Unusual Curie Point Independence of Thickness and Interfacial Properties for Perfectly (111)-Oriented Ba0.6Sr0.4TiO3 Thin Films. *Journal of the American Ceramic Society*, **2010**, 93, 2526-2529	3.8	2
30	Properties Evaluation of Piezoelectric Materials in Application of Cochlear Implant. *Ferroelectrics*, **2011**, 413, 272-278	0.6	2
29	High-Temperature Domain Stability of Tetragonal-Structured BiScO3-PbTiO3 Ceramics. *Ferroelectrics*, **2008**, 363, 21-26	0.6	2
28	Fabrication and characterization of fine-grained barium strontium titanate ceramics by the heterogeneous precipitation method. *Journal of Materials Science*, **2007**, 42, 6917-6922	4.3	2
27	PREDICTED AND REALIZED IMPROVED PERFORMANCES OF PZT FILM–SILICON BASED STRUCTURES FOR INTEGRATED PYROSENSORICS. *Integrated Ferroelectrics*, **2006**, 80, 3-9	0.8	2
26	Infrared optical properties of PbZr0.4Ti0.6O3/La0.5Sr0.5CoO3 heterostructures on platinized silicon substrate. *Applied Physics A: Materials Science and Processing*, **2004**, 78, 119-123	2.6	2
25	Study of Properties of Urea and L-Alanine Didoped Triglycine Sulfate (UrLATGS) Crystals. *Journal of Infrared, Millimeter and Terahertz Waves*, **2001**, 22, 329-334		2
24	Discovery of electric devil's staircase in perovskite antiferroelectric.. *Science Advances*, **2022**, 8, eabl9088	14.3	2
23	Grinding strain induced antiferroelectric-ferroelectric-antiferroelectric sandwich structure in bulk ceramics. *Scripta Materialia*, **2020**, 182, 27-31	5.6	1
22	Tailored phase transition and electric properties of Pb0.99(Zr0.95Ti0.05)0.98Nb0.02O3 ferroelectric ceramics by ZnO modification. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 227, 48-52	3.1	1
21	Dielectric and pyroelectric activities in Pb(Zr1−xTix)O3 ceramics: The role of the phase transition effects. *Current Applied Physics*, **2014**, 14, 1411-1415	2.6	1

20	The effect of deposition power on the micro-structure and dielectric response of Pb0.4Sr0.6TiO3 thin films. *Ceramics International*, **2014**, 40, 149-153	5.1	1
19	Temperature and voltage stress dependent dielectric relaxation process of the doped Ba0.67Sr0.33TiO3 ceramics. *Applied Physics Letters*, **2013**, 103, 112908	3.4	1
18	Scaling Behavior of Ferroelectric Hysteresis Loop in 63PbTiO3□37BiScO3 Bulk Ceramic. *Ferroelectrics*, **2010**, 403, 219-224	0.6	1
17	Mechanism of the Pyroelectric Response under Direct-Current Bias in La-Modified Lead Zirconate Titanate Stannate Ceramics. *Chinese Physics Letters*, **2011**, 28, 097701	1.8	1
16	Annealing Temperature Effects on PMN-PT Thin Film. *Ferroelectrics*, **2008**, 362, 128-136	0.6	1
15	Pyroelectric figure of merit in alternating hemicyanine/NC Langmuir□Blodgett films incorporating barium ions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2006**, 284-285, 74-77	5.1	1
14	Fabrication of ferroelectric PbZrxTi1□xO3 thick films and their optical waveguide properties. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2004**, 22, 422-424	2.9	1
13	Ferroelectric Properties of PbZr0.40Ti0.60O3/ LaxSr1□xCoO3 Heterostructures Prepared by Chemical Solution Routes. *Integrated Ferroelectrics*, **2004**, 64, 277-288	0.8	1
12	Infrared Optical Characterization of PLT Thin Films for Applications in Uncooled Infrared Detectors. *Journal of Infrared, Millimeter and Terahertz Waves*, **2003**, 24, 1939-1954		1
11	Ferroelectricity of weak-polar organic molecules in alternate Langmuir-Blodgett multilayer films. *Science Bulletin*, **2003**, 48, 2176-2179		1
10	Low-temperature preparation of highly (001)-oriented PZT thin films on Pt/Ti/SiO2/Si using LaNiO3 as a buffer layer **2000**, 4086, 667		1
9	Chemically Tunable Textured Interfacial Defects in PbZrO3-Based Antiferroelectric Perovskite Oxides. *Chemistry of Materials*, **2021**, 33, 6743-6751	9.6	1
8	Atomic reconfiguration among tri-state transition at ferroelectric/antiferroelectric phase boundaries in Pb(Zr,Ti)O.. *Nature Communications*, **2022**, 13, 1390	17.4	1
7	Electric transport and magnetic properties of La 0.7 Sr 0.3 MnO 3 thin films grown on PLZST ceramics. *Materials Letters*, **2017**, 199, 184-187	3.3	0
6	Hydrostatic-pressure-induced depolarization of (Pb1-1.5xLax)(Zr0.80Ti0.20)O3 ferroelectric ceramics. *Journal of the American Ceramic Society*, **2021**, 104, 3269-3278	3.8	0
5	Significantly decreased depolarization hydrostatic pressure of 3D-printed PZT95/5 ceramics with periodically distributed pores. *Journal of the American Ceramic Society*, **2022**, 105, 412	3.8	0
4	Pyroelectric Responses in Pb(Sc1/2Ta1/2)O3 Ceramics Measured from Hysteresis Loops at Various Temperatures. *Ferroelectrics*, **2011**, 413, 206-211	0.6	
3	PMN-PT thin films grown by sputtering on silicon substrate: influence of the annealing temperature on the physico-chemical and electrical properties of the films. *Research on Chemical Intermediates*, **2008**, 34, 201-215	2.8	

2	INTERFACIAL EFFECTS ON THE CRYSTALLIZATION TEMPERATURE OF PMN-PT FILMS DEPOSITED ON LNO OR Pt BOTTOM ELECTRODES. *Integrated Ferroelectrics*, **2008**, 98, 171-182	0.8
1	Phase transition in ferroelectric hemicyanine Langmuir-Blodgett multilayers **2004**, 5564, 133	