

Helen Lai Wa Chan

List of Publications by Year in Descending Order

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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.

304
papers

7,486
citations

45
h-index

70
g-index

336
ext. papers

8,048
ext. citations

3.4
avg, IF

5.78
L-index

#	Paper	IF	Citations
304	Suppressing the Coffee-Ring Effect in Semitransparent MnO ₂ Film for a High-Performance Solar-Powered Energy Storage Window. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9088-96	9.5	25
303	Anodic aluminum oxide-epoxy composite acoustic matching layers for ultrasonic transducer application. <i>Ultrasonics</i> , 2016 , 70, 29-33	3.5	18
302	Highly flexible and transferable supercapacitors with ordered three-dimensional MnO ₂ /Au/MnO ₂ nanospikes arrays. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10199-10204	13	47
301	Improved performance of asymmetric fiber-based micro-supercapacitors using carbon nanoparticles for flexible energy storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15633-15641	13	31
300	Focused intravascular ultrasonic probe using dimpled transducer elements. <i>Ultrasonics</i> , 2015 , 56, 227-313.5	3.5	9
299	Ultrasonic Transducer Fabricated Using Lead-Free BFO-BTO+Mn Piezoelectric 1-3 Composite. <i>Actuators</i> , 2015 , 4, 127-134	2.4	5
298	Elastic softening near the phase transitions in (1-x)Bi _{1/2} Na _{1/2} TiO ₃ -xBaTiO ₃ solid solutions. <i>Materials Research Express</i> , 2014 , 1, 046102	1.7	9
297	Magnetostriction-strain-induced enhancement and modulation of photovoltaic performance in Si-p _n /TbxDy _{1-x} Fe ₂ composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 641-644	1.6	4
296	The strain effect and the ferroelectric field effect in LaMnO ₃ +film/Pb(Mg _{1/3} Nb _{2/3})O ₃ PbTiO ₃ single-crystal heterostructures. <i>Journal of Alloys and Compounds</i> , 2013 , 581, 530-533	5.7	14
295	High frequency PMN-PT single crystal focusing transducer fabricated by a mechanical dimpling technique. <i>Ultrasonics</i> , 2013 , 53, 345-9	3.5	18
294	Magnetostrictive/piezoelectric drum magnetolectric transducer for H ₂ detection. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 14915-14919	6.7	6
293	Epitaxial growth and dielectric properties of BSZT thin films on SrTiO ₃ :Nb single crystal substrate prepared by pulsed laser deposition. <i>Surface and Coatings Technology</i> , 2013 , 229, 162-164	4.4	4
292	Endoscopic ultrasound radial array transducers fabricated with PZT tube by a rotate-and-dice method. <i>Sensors and Actuators A: Physical</i> , 2013 , 201, 357-362	3.9	17
291	TEMPORAL MODULATION OF LIGHT INTENSITY VIA 1D TIME-VARIANT PHOTONIC CRYSTAL STRUCTURE. <i>Progress in Electromagnetics Research</i> , 2013 , 135, 627-639	3.8	
290	Epitaxial growth and interface strain coupling effects in manganite film/piezoelectric-crystal multiferroic heterostructures. <i>Materials Chemistry and Physics</i> , 2012 , 133, 42-46	4.4	15
289	Effects of electric-field-induced piezoelectric strain on the electronic transport properties of La _{0.9} Ce _{0.1} MnO ₃ thin films. <i>Thin Solid Films</i> , 2012 , 525, 45-48	2.2	2
288	Lead-free piezoelectric single crystal based 1-3 composites for ultrasonic transducer applications. <i>Sensors and Actuators A: Physical</i> , 2012 , 182, 95-100	3.9	62

287	Interface strain coupling and its impact on the transport and magnetic properties of LaMnO ₃ thin films grown on ferroelectrically active substrates. <i>Journal of Alloys and Compounds</i> , 2012 , 519, 77-81	5.7	13
286	Strong magnetoelectric coupling in sol-gel derived multiferroic (Pb _{0.76} Ca _{0.24})TiO ₃ /PbFe ₂ O ₄ composite films. <i>Solid State Sciences</i> , 2012 , 14, 1492-1495	3.4	6
285	CONTROLLING THE ELECTROMAGNETIC FIELD BY INDEFINITE MEDIA WITH EXTREMELY STRONG ANISOTROPY. <i>Progress in Electromagnetics Research</i> , 2012 , 130, 513-524	3.8	1
284	Fabrication and performance of endoscopic ultrasound radial arrays based on PMN-PT single crystal/epoxy 1-3 composite. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 477-84	3.2	38
283	In situ dynamical control of the strain and magnetoresistance of La _{0.7} Ca _{0.15} Sr _{0.15} MnO ₃ thin films using the magnetostriction of Terfenol-D alloy. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4878-4881	5.7	6
282	Electrical, magnetic, and magnetoelectric characterization of fine-grained Pb(Zr _{0.53} Ti _{0.47})O ₃ (Ni _{0.5} Zn _{0.5})Fe ₂ O ₄ composite ceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6311-6316	5.7	29
281	Effect of hollow structure and covalent bonding on the mechanical properties of core-shell silica nanoparticles modified poly(methyl acrylate) composites. <i>Materials Chemistry and Physics</i> , 2011 , 129, 77-82	4.4	7
280	Hot-pressed K _{0.48} Na _{0.52} Nb _{1-x} BixO ₃ (x=0.05-0.15) lead-free ceramics for electro-optic applications. <i>Materials Chemistry and Physics</i> , 2011 , 131, 320-324	4.4	38
279	Electro-optic characterization of epitaxial Ba _{0.7} Sr _{0.3} TiO ₃ thin films using prism coupling technique. <i>Current Applied Physics</i> , 2011 , 11, S52-S55	2.6	2
278	Photonic gap vanishing in one-dimensional photonic crystals with single-negative metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 2465-2470	2.3	3
277	Water dispersible ultra-small multifunctional KGdF ₄ :Tm ³⁺ , Yb ³⁺ nanoparticles with near-infrared to near-infrared upconversion. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16589		156
276	Nonlinear behavior of BNT-based lead-free piezoceramics under various ac fields. <i>Current Applied Physics</i> , 2011 , 11, 869-877	2.6	7
275	Transfer imprint lithography using a soft mold. <i>Microelectronic Engineering</i> , 2011 , 88, 2632-2635	2.5	6
274	Formation and characterization of three-ply structured multiferroic Sm _{0.88} Nd _{0.12} Fe _{1.93} Bb(Zr _{0.53} Ti _{0.47})O ₃ ceramic composites via a solid solution process. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 1753-1761	6	11
273	High-frequency ultrasonic transducer based on lead-free BSZT piezoceramics. <i>Ultrasonics</i> , 2011 , 51, 811-815	4.5	30
272	Epitaxial growth and rectification characteristics of double perovskite oxide La ₂ NiMnO ₆ films on Nb-SrTiO ₃ single crystal substrates. <i>Thin Solid Films</i> , 2011 , 519, 6148-6150	2.2	5
271	Composition dependence of structural and optical properties of Ba(Zrx,Ti1-x)O ₃ thin films grown on MgO substrates by pulsed laser deposition. <i>Thin Solid Films</i> , 2011 , 519, 6313-6318	2.2	19
270	Broad-band and high-temperature ultrasonic transducer fabricated using a Pb(In _{1/3} Nb _{1/3})-Pb(Mg _{1/3} Nb _{2/3})-PbTiO ₃ single crystal/epoxy 1-3 composite. <i>Review of Scientific Instruments</i> , 2011 , 82, 055110	1.7	24

269	XRD Study on D-Values of Modified PbTiO ₃ Ceramics during Poling Process. <i>Advanced Materials Research</i> , 2010 , 177, 37-40	0.5	
268	Effect of phase transformation on the converse magnetoelectric properties of a heterostructure of Ni _{49.2} Mn _{29.6} Ga _{21.2} and 0.7PbMg _{1/3} Nb _{2/3} O ₃ -0.3PbTiO ₃ crystals. <i>Applied Physics Letters</i> , 2010 , 96, 182503	3.4	18
267	First-principles study on the electronic and optical properties of Na _{0.5} Bi _{0.5} TiO ₃ lead-free piezoelectric crystal. <i>Journal of Applied Physics</i> , 2010 , 107, 043513	2.5	48
266	Giant resonance frequency tunable magnetoelectric effect in a device of Pb(Zr _{0.52} Ti _{0.48})O ₃ drum transducer, NdFeB magnet, and Fe-core solenoid. <i>Applied Physics Letters</i> , 2010 , 96, 203502	3.4	23
265	dc- and ac-magnetic field-induced strain effects in ferromagnetic shape memory composites of NiMnGa single crystal and polyurethane polymer. <i>Journal of Applied Physics</i> , 2010 , 107, 09A942	2.5	8
264	Magnetic field-induced strain and magnetoelectric effects in sandwich composite of ferromagnetic shape memory Ni-Mn-Ga crystal and piezoelectric PVDF polymer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 2147-53	3.2	8
263	Towards pure near-infrared to near-infrared upconversion of multifunctional GdF(3):Yb(3+),Tm(3+) nanoparticles. <i>Optics Express</i> , 2010 , 18, 6123-30	3.3	100
262	Large magnetoelectric effect from mechanically mediated magnetic field-induced strain effect in NiMnGa single crystal and piezoelectric effect in PVDF polymer. <i>Journal of Alloys and Compounds</i> , 2010 , 490, L5-L8	5.7	21
261	Ultrahigh anisotropic damping in ferromagnetic shape memory NiMnGa single crystal. <i>Journal of Alloys and Compounds</i> , 2010 , 493, 565-568	5.7	8
260	Anisotropic properties and crystal structure of ferroelectric Na _{0.5} Bi _{4.5} Ti ₄ O ₁₅ . <i>Journal of Alloys and Compounds</i> , 2010 , 506, 70-72	5.7	11
259	Anisotropy of the electrical transport properties in a Ni ₂ MnGa single crystal: Experiment and theory. <i>Journal of Applied Physics</i> , 2010 , 107, 083713	2.5	4
258	Giant magnetoelectric effect in magnet-cymbal-solenoid current-to-voltage conversion device. <i>Journal of Applied Physics</i> , 2010 , 107, 074509	2.5	8
257	Piezoelectric and dielectric characteristics of lead-free BNKLT ceramic thick film and multilayered piezoelectric actuators. <i>Ceramics International</i> , 2010 , 36, 2345-2350	5.1	21
256	A magnetorheological damper capable of force and displacement sensing. <i>Sensors and Actuators A: Physical</i> , 2010 , 158, 51-59	3.9	37
255	60-MHz PMN-PT Single Crystal Transducers for Microfluidic Analysis Systems. <i>Sensors and Actuators A: Physical</i> , 2010 , 161, 78-82	3.9	8
254	Fabrication of nano-scaled patterns on ceramic thin films and silicon substrates by soft ultraviolet nanoimprint lithography. <i>Microelectronic Engineering</i> , 2010 , 87, 959-962	2.5	13
253	Preparation and characterizations of Ba(Zr,Ti)O ₃ /(Ba,Sr)TiO ₃ heterostructures grown on (LaAlO ₃) _{0.3} (Sr ₂ AlTaO ₆) _{0.35} single crystal substrates by pulsed laser deposition. <i>Thin Solid Films</i> , 2010 , 518, e82-e84	2.2	8
252	Photonic crystal cavity embedded barium strontium titanate thin-film rib waveguide prepared by focused ion beam etching. <i>Thin Solid Films</i> , 2010 , 518, e101-e103	2.2	2

251	Temperature evolution of anisotropic stress induced highly ordered stripe magnetic domains in La _{0.7} Sr _{0.3} MnO ₃ thin film on (110) NdGaO ₃ substrate. <i>Solid State Communications</i> , 2010 , 150, 2028-2031 ^{1.6}	5
250	Bidirectional current-voltage converters based on magnetostrictive/piezoelectric composites. <i>Applied Physics Letters</i> , 2009 , 94, 263504	3.4 16
249	Lead-free Piezoelectric KNN-based Pin Transducers for Structural Monitoring Applications. <i>Structural Health Monitoring</i> , 2009 , 8, 283-289	4.4 10
248	Dielectric behavior and phase transition in perovskite oxide Pb _{0.5} (Fe _{1/2} Nb _{1/2}) _{1-x} Ti _x O ₃ single crystal. <i>Journal of Applied Physics</i> , 2009 , 105, 124109	2.5 18
247	Fine-grained multiferroic BaTiO ₃ /(Ni _{0.5} Zn _{0.5})Fe ₂ O ₄ composite ceramics synthesized by novel powder-in-sol precursor hybrid processing route. <i>Materials Research Bulletin</i> , 2009 , 44, 1339-1346	5.1 33
246	Synthesis of fine-crystalline Ba _{0.6} Sr _{0.4} TiO ₃ /MgO ceramics by novel hybrid processing route. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 1218-1222	3.9 16
245	Novel gas sensing materials based on CuS hollow spheres. <i>Microporous and Mesoporous Materials</i> , 2009 , 118, 423-426	5.3 47
244	Dielectric properties of barium titanate ceramics modified by SiO ₂ and by BaOBiO ₂ . <i>Physica B: Condensed Matter</i> , 2009 , 404, 2374-2376	2.8 20
243	Influence of oxygen partial pressure on the structural and dielectric properties of Ba(Zr _{0.3} Ti _{0.7})O ₃ thin films grown on (LaAlO ₃) _{0.3} (Sr ₂ AlTaO ₆) _{0.35} (001) using pulsed laser deposition. <i>Thin Solid Films</i> , 2009 , 517, 2092-2098	2.2 20
242	Lead-free KNLNT piezoelectric ceramics for high-frequency ultrasonic transducer application. <i>Ultrasonics</i> , 2009 , 49, 395-8	3.5 26
241	Dielectric properties of (Ba,Ca)(Zr,Ti)O ₃ /CaRuO ₃ heterostructure thin films prepared by pulsed laser deposition. <i>Vacuum</i> , 2009 , 83, 1018-1021	3.7 15
240	Lead-free alkaline niobate-based transducer for ultrasonic wirebonding applications. <i>Sensors and Actuators A: Physical</i> , 2009 , 150, 267-271	3.9 21
239	Hydrogen-induced degradation in SrTiO ₃ -based grain boundary barrier layer ceramic capacitors. <i>Ceramics International</i> , 2009 , 35, 953-956	5.1 11
238	Ferroelectric and piezoelectric properties of Bi _{0.5} Na _{0.5} TiO ₃ /BrTiO ₃ /Bi _{0.5} Li _{0.5} TiO ₃ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 310-315	5.7 52
237	All wavelengths and directions hybrid-guidance photonic crystal fiber and its property of Bragg grating resonance. <i>Applied Optics</i> , 2009 , 48, 2468-72	0.2
236	Effects of MnO ₂ on the microstructure and electrical properties of 0.94(K _{0.5} Na _{0.5})NbO ₃ ·0.06Ba(Zr _{0.05} Ti _{0.95})O ₃ lead-free ceramics. <i>Materials Chemistry and Physics</i> , 2008 , 109, 455-458	4.4 54
235	Nonlinear dielectric properties of sol-gel derived (Ba,Sr)TiO ₃ ceramics. <i>Materials Chemistry and Physics</i> , 2008 , 112, 281-284	4.4 12
234	Multiferroic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /Bb(Zr _{0.53} Ti _{0.47})O ₃ ceramic composites. <i>Journal of Applied Physics</i> , 2008 , 104, 104109	2.5 67

233	Piezoelectric and ferroelectric properties of $K_xNa_{1-x}NbO_3$ lead-free ceramics with MnO_2 and CuO doping. <i>Journal of Alloys and Compounds</i> , 2008 , 461, 273-278	5.7	96
232	$MgTiO_3$ doping effect on dielectric properties of $Ba_{0.6}Sr_{0.4}TiO_3$ ceramics via a molten salt process. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 597-601	8.4	10
231	Giant sharp converse magnetoelectric effect from the combination of a piezoelectric transformer with a piezoelectric/magnetostrictive laminated composite. <i>Applied Physics Letters</i> , 2008 , 93, 113503	3.4	45
230	Giant magnetoelectric effect in mechanically clamped heterostructures of magnetostrictive alloy and piezoelectric crystal-alloy cymbal. <i>Applied Physics Letters</i> , 2008 , 93, 213504	3.4	19
229	Magnetoelectric effect from mechanically mediated torsional magnetic force effect in $NdFeB$ magnets and shear piezoelectric effect in $0.7Pb(Mg_{1-x}Nb_{2x})O_3 \cdot 0.3PbTiO_3$ single crystal. <i>Applied Physics Letters</i> , 2008 , 92, 123510	3.4	30
228	Enhanced magnetoelectric effect in longitudinal-transverse mode Terfenol-D/ $(Mg_{1-x}Nb_{2x})O_3 \cdot PbTiO_3$ laminate composites with optimal crystal cut. <i>Journal of Applied Physics</i> , 2008 , 103, 124511	2.5	88
227	PMN-PT single crystal and Terfenol-D alloy magnetoelectric laminated composites for electromagnetic device applications. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 540-544	1	14
226	Phase transition and electrical properties of $(K_{0.5}Na_{0.5})(Nb_{1-x}Ta_x)O_3$ lead-free piezoelectric ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 167-171	2.6	65
225	Large Lamb wave band gap in phononic crystals thin plates. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 90, 557-559	1.9	5
224	Converse magnetoelectric effects in piezoelectric/piezomagnetic layered composites. <i>Composites Science and Technology</i> , 2008 , 68, 1440-1444	8.6	47
223	Colossal dielectric response in barium iron niobate ceramics obtained by different precursors. <i>Ceramics International</i> , 2008 , 34, 1059-1062	5.1	48
222	Bismuth sodium titanate based lead-free ultrasonic transducer for microelectronics wirebonding applications. <i>Ceramics International</i> , 2008 , 34, 773-777	5.1	29
221	Engineering band gap forming using the combination of periodic and Fibonacci quasiperiodic one-dimensional composite thin plates. <i>Solid State Communications</i> , 2008 , 146, 491-494	1.6	7
220	Structural and electric properties of barium strontium titanate based ceramic composite as a humidity sensor. <i>Solid State Ionics</i> , 2008 , 179, 1632-1635	3.3	23
219	Structure and electrical properties of $Bi_{0.5}Na_{0.5}TiO_3 \cdot BaTiO_3 \cdot Bi_{0.5}Li_{0.5}TiO_3$ lead-free piezoelectric ceramics. <i>Solid State Ionics</i> , 2008 , 178, 1930-1930	3.3	83
218	A strong correlation of crystal structure and Curie point of barium titanate ceramics with Ba/Ti ratio of precursor composition. <i>Physica B: Condensed Matter</i> , 2008 , 403, 660-663	2.8	22
217	Design optimization of vibration isolation system through minimization of vibration power flow. <i>Structural Engineering and Mechanics</i> , 2008 , 28, 677-694		3
216	Piezocomposite Ultrasonic Transducers for High-Frequency Wire Bonding of Semiconductor Packages 2008 , 389-412		

215	Raman scattering spectra and ferroelectric properties of $\text{Bi}_{1-x}\text{Nd}_x\text{FeO}_3$ ($x=0.2$) multiferroic ceramics. <i>Journal of Applied Physics</i> , 2007 , 101, 064101	2.5	137
214	Converse magnetoelectric effect in three-phase composites of piezoceramic, metal cap, and magnet. <i>Journal of Applied Physics</i> , 2007 , 101, 09N508	2.5	5
213	Diffusion phase transition and dielectric characteristics of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{Ba}(\text{Hf},\text{Ti})\text{O}_3$ lead-free ceramics. <i>Solid State Communications</i> , 2007 , 142, 10-14	1.6	37
212	Analysis of vibration power flow from a vibrating machinery to a floating elastic panel. <i>Mechanical Systems and Signal Processing</i> , 2007 , 21, 389-404	7.8	14
211	Degradation of SrTiO_3 -based ceramic varistors induced by water and ac voltages. <i>Ceramics International</i> , 2007 , 33, 1137-1140	5.1	7
210	Large one-dimensional band gaps in three-component phononic crystals plates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 366, 493-496	2.3	18
209	Piezocomposite ultrasonic transducer for high-frequency wire-bonding of microelectronics devices. <i>Sensors and Actuators A: Physical</i> , 2007 , 133, 195-199	3.9	26
208	$\text{KxNa}_{1-x}\text{NbO}_3$ powder synthesized by molten-salt process. <i>Materials Letters</i> , 2007 , 61, 409-411	3.3	42
207	The synthesis of lead-free ferroelectric $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ thin films by sol-gel method. <i>Materials Letters</i> , 2007 , 61, 2117-2120	3.3	76
206	Hydrogen-induced degradation in multiferroic BiFeO_3 ceramics. <i>Materials Letters</i> , 2007 , 61, 4354-4357	3.3	7
205	Magnetoelectric effect in composites of magnet, metal-cap, and piezoceramic. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 86, 525-528	2.6	11
204	Microstructure, dielectric and piezoelectric properties of $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3\text{-Ba}(\text{Ti}_{0.95}\text{Zr}_{0.05})\text{O}_3$ lead-free ceramics with CuO sintering aid. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 88, 359-363	2.6	35
203	Lead-free transducer for non-destructive evaluation. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 88, 209-215	2.6	19
202	Electromechanical and ferroelectric properties of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3\text{-}(\text{Bi}_{1/2}\text{Li}_{1/2})\text{TiO}_3\text{-BaTiO}_3$ lead-free piezoelectric ceramics for accelerometer application. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 775-781	2.6	32
201	Magnetoelectric effect from the direct coupling of the Lorentz force from a brass ring with transverse piezoelectricity in a lead zirconate titanate (PZT) disk. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 1025-1027	2.6	15
200	Design optimization of machinery mounting systems with an elastic support structure. <i>Engineering Optimization</i> , 2007 , 39, 229-244	2	9
199	Fabrication and characterization of $\text{NiB}(\text{VDF-TrFE})$ nanoscaled coaxial cables. <i>Applied Physics Letters</i> , 2007 , 90, 253107	3.4	13
198	Energy harvesting with piezoelectric drum transducer. <i>Applied Physics Letters</i> , 2007 , 90, 113506	3.4	59

197	High magnetoelectric effect in laminated composites of giant magnetostrictive alloy and lead-free piezoelectric ceramic. <i>Journal of Applied Physics</i> , 2007 , 101, 104103	2.5	47
196	Effect of Geometry on the Characteristics of a Drum Actuator. <i>Journal of Intelligent Material Systems and Structures</i> , 2007 , 18, 1077-1082	2.3	5
195	Structural transformation and ferroelectric-paraelectric phase transition in Bi _{1-x} LaxFeO ₃ (x=0.0-0.25) multiferroic ceramics. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1196-1200	3	132
194	Preparation and characterization of hafnium doped barium titanate ceramics. <i>Journal of Alloys and Compounds</i> , 2007 , 431, 197-202	5.7	50
193	Preparation and properties of sol-gel-derived Bi _{0.5} Na _{0.5} TiO ₃ lead-free ferroelectric thin film. <i>Thin Solid Films</i> , 2007 , 515, 3563-3566	2.2	102
192	Reduced ferroelectric coercivity in multiferroic Bi _{0.825} Nd _{0.175} FeO ₃ thin film. <i>Journal of Applied Physics</i> , 2007 , 101, 024106	2.5	119
191	Large Magnetostriction in Epoxy-Bonded Terfenol-D Continuous-Fiber Composite With [112] Crystallographic Orientation. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 3111-3113	2	14
190	Dielectric properties and high tunability of (100)-oriented Ba(Zr _{0.2} Ti _{0.8})O ₃ thin films prepared by pulsed laser deposition. <i>Scripta Materialia</i> , 2006 , 54, 197-200	5.6	27
189	Dielectric properties of Mn-doped (Na _{0.8} K _{0.2}) _{0.5} Bi _{0.5} TiO ₃ ceramics. <i>Materials Letters</i> , 2006 , 60, 1786-1790	3.9	61
188	Preparation and characterization of poly(vinylidene fluoride-trifluoroethylene) copolymer nanowires and nanotubes. <i>Materials Letters</i> , 2006 , 60, 2357-2361	3.3	17
187	Magnetoelectric effect in laminate composite of magnets/0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ /0.3PbTiO ₃ single crystal. <i>Applied Physics Letters</i> , 2006 , 88, 142504	3.4	14
186	Converse magnetoelectric effect in laminated composites of PMN-PT single crystal and Terfenol-D alloy. <i>Applied Physics Letters</i> , 2006 , 88, 242902	3.4	113
185	Fabrication and characterization of epitaxial Ba _{0.7} Sr _{0.3} TiO ₃ thin films for optical waveguide applications. <i>Applied Optics</i> , 2006 , 45, 1972-8	1.7	14
184	TEM investigation of hydrogen-implanted and annealed single-crystal SrTiO ₃ . <i>Current Applied Physics</i> , 2006 , 6, 583-586	2.6	1
183	Effects of electrolysis of water on the properties of soft lead zirconate titanate piezoelectric ceramics. <i>Ceramics International</i> , 2006 , 32, 583-586	5.1	4
182	Formation of Ge nanocrystals by utilizing nanocluster source. <i>Materials Science in Semiconductor Processing</i> , 2006 , 9, 817-822	4.3	5
181	Magnetoelectric effect in a parallel sandwich of magnetostrictive pseudo-1 β composite and piezoelectric 2 β composite. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e442-e444	2.8	12
180	Lead-free piezoceramic cymbal actuator. <i>Sensors and Actuators A: Physical</i> , 2006 , 125, 393-397	3.9	39

179	Precision piezoelectric acoustic position detector. <i>Sensors and Actuators A: Physical</i> , 2006 , 128, 290-295	3.9	3
178	PMNBT single-crystal transducer for non-destructive evaluation. <i>Sensors and Actuators A: Physical</i> , 2006 , 132, 434-440	3.9	21
177	Relaxor behaviors and tunability in BaZr _{0.35} Ti _{0.65} O ₃ ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 198-201	5.3	27
176	Optical rib waveguide based on epitaxial Ba _{0.7} Sr _{0.3} TiO ₃ thin film grown on MgO. <i>Thin Solid Films</i> , 2006 , 510, 329-333	2.2	15
175	A comparative microstructural study of compositionally up- and down-graded (Ba,Sr)TiO ₃ thin films epitaxially grown on (La,Sr)CoO ₃ -covered MgO(100) substrates by pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 82, 709-713	2.6	5
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28	Poling of ferroelectric composites 1999 ,		3
27	Characterization of barium titanate ceramic/ceramic nanocomposite films prepared by a sol-gel process. <i>Scripta Materialia</i> , 1999 , 11, 837-844		31
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25	Synthesis and properties of ferroelectric SrBi ₂ Ta ₂ O ₉ powder and films prepared by a sol-gel process. <i>Journal of Non-Crystalline Solids</i> , 1999 , 254, 106-111	3.9	24
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8	Structural and property changes of high energy proton-irradiated poly(vinylidene fluoride-trifluoroethylene) 56/44 mol.% copolymer		1
7	Investigation of the trap states in quenched and annealed nylon 6 films using thermally stimulated depolarization current		2
6	Analysis of the resonance modes of PZT/epoxy 1-3 composite rings		1
5	Pyroelectric properties of PZT/P(VDF-TrFE) 0-3 composites		5
4	Piezoelectric coefficients of PMN-0.33PT single crystals		2
3	An improved method for analyzing the performance of multilayer piezoelectric transformers		10
2	Piezoelectric and pyroelectric properties of PT/P(VDF-TrFE) 0-3 composites		3
1	Sensors for automatic process control of wire bonding		8