Helen Lai Wa Chan

List of Publications by Year
in descending order

336 papers	8,562 citations	44042 48 h-index	74108 75 g-index
336 all docs	336 docs citations	336 times ranked	6364 citing authors

#	Article	IF	Citations
1	Diffuse phase transition and dielectric tunability of Ba(ZryTi1â^'y)O3 relaxor ferroelectric ceramics. Acta Materialia, 2004, 52, 5177-5183.	3.8	447
2	Simple model for piezoelectric ceramic/polymer 1-3 composites used in ultrasonic transducer applications. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1989, 36, 434-441.	1.7	367
3	Effects of grain size on the dielectric properties and tunabilities of solâ€“gel derived Ba(Zr0.2Ti0.8)O3 ceramics. Solid State Communications, 2004, 131, 163-168.	0.9	252
4	Water dispersible ultra-small multifunctional KGdF4:Tm3+, Yb3+ nanoparticles with near-infrared to near-infrared upconversion. Journal of Materials Chemistry, 2011, 21, 16589.	6.7	161
5	Raman scattering spectra and ferroelectric properties of Bi1â^'xNdxFeO3 (x=0â€“0.2) multiferroic ceramics. Journal of Applied Physics, 2007, 101, 064101.	1.1	149
6	Structural transformation and ferroelectricâ€“paraelectric phase transition in Bi1â^'xLaxFeO3(x=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	1.3	145
7	Evaluation of the material parameters of piezoelectric materials by various methods. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1997, 44, 733-742.	1.7	138
8	Reduced ferroelectric coercivity in multiferroic Bi0.825Nd0.175FeO3 thin film. Journal of Applied Physics, 2007, 101, 024106.	1.1	128
9	Converse magnetoelectric effect in laminated composites of PMNâ€“PT single crystal and Terfenol-D alloy. Applied Physics Letters, 2006, 88, 242902.	1.5	125
10	Single crystal PMN-0.33PT/epoxy 1-3 composites for ultrasonic transducer applications. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1177-1183.	1.7	120
11	Preparation and properties of solâ€“gel-derived Bi0.5Na0.5TiO3 lead-free ferroelectric thin film. Thin Solid Films, 2007, 515, 3563-3566.	0.8	112
12	Piezoelectric and ferroelectric properties of KxNa1â^'xNbO3 lead-free ceramics with MnO2 and CuO doping. Journal of Alloys and Compounds, 2008, 461, 273-278.	2.8	109
13	Ultrasonic hydrophone based on distributed Bragg reflector fiber laser. IEEE Photonics Technology Letters, 2005, 17, 169-171.	1.3	108
14	Towards pure near-infrared to near-infrared upconversion of multifunctional GdF_3:Yb^3+,Tm^3+ nanoparticles. Optics Express, 2010, 18, 6123.	1.7	104
15	Enhanced magnetoelectric effect in longitudinal-transverse mode Terfenol-Dâ•Pb(Mg1â•3Nb2â•3)O3â€“PbTiO3 laminate composites with optimal crystal cut. Journal of Applied Physics, 2008, 103, .	1.1	96
16	Structure and electrical properties of Bi0.5Na0.5TiO3â€“BaTiO3â€“Bi0.5Li0.5TiO3 lead-free piezoelectric ceramics. Solid State Ionics, 2008, 178, 1930-1930.	1.3	91
17	The synthesis of lead-free ferroelectric Bi0.5Na0.5TiO3â€“Bi0.5K0.5TiO3 thin films by solâ€“gel method. Materials Letters, 2007, 61, 2117-2120.	1.3	81
18	Hydrothermal synthesis of oriented ZnO nanobelts and their temperature dependent photoluminescence. Chemical Physics Letters, 2004, 393, 17-21.	1.2	79

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19	Relaxor behavior of (Ba,Sr)(Zr,Ti)O3 ferroelectric ceramics. Solid State Communications, 2005, 136, 89-93.	0.9	79
20	Electromechanical properties and dielectric behavior of (Bi1/2Na1/2)(1â^'1.5x)BixTiO3 lead-free piezoelectric ceramics. Solid State Communications, 2004, 129, 319-323.	0.9	73
21	Lead-free piezoelectric single crystal based 1â€“3 composites for ultrasonic transducer applications. Sensors and Actuators A: Physical, 2012, 182, 95-100.	2.0	73
22	Multiferroic properties of Ni0.5Zn0.5Fe2O4â€“Pb(Zr0.53Ti0.47)O3 ceramic composites. Journal of Applied Physics, 2008, 104, .	1.1	72
23	Phase transition and electrical properties of (K0.5Na0.5)(Nb1-xTax)O3 lead-free piezoelectric ceramics. Applied Physics A: Materials Science and Processing, 2008, 91, 167-171.	1.1	70
24	Energy harvesting with piezoelectric drum transducer. Applied Physics Letters, 2007, 90, 113506.	1.5	67
25	Pyroelectric and piezoelectric properties of lead titanate/polyvinylidene fluoride-trifluoroethylene 0-3 composites. IEEE Transactions on Dielectrics and Electrical Insulation, 1998, 5, 505-512.	1.8	66
26	Pyroelectric activity of ferroelectric PT/PVDF-TRFE. IEEE Transactions on Dielectrics and Electrical Insulation, 2000, 7, 517-522.	1.8	66
27	Dielectric properties of Mn-doped (Na0.8K0.2)0.5Bi0.5TiO3 ceramics. Materials Letters, 2006, 60, 1786-1790.	1.3	66
28	Piezoelectric and pyroelectric properties of PZT/P(VDF-TrFE) composites with constituent phases poled in parallel or antiparallel directions. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2000, 47, 1308-1315.	1.7	64
29	Piezoelectric and pyroelectric properties of 65PMN-35PT/P(VDF-TrFE) 0â€“3 composites. Composites Science and Technology, 2005, 65, 1107-1111.	3.8	64
30	Dynamic magnetomechanical properties of Terfenol-D/epoxy pseudo 1-3 composites. Journal of Applied Physics, 2005, 97, 10M308.	1.1	61
31	First-principles study on the electronic and optical properties of Na0.5Bi0.5TiO3 lead-free piezoelectric crystal. Journal of Applied Physics, 2010, 107, .	1.1	60
32	Ultrasonic wire-bond quality monitoring using piezoelectric sensor. Sensors and Actuators A: Physical, 1998, 65, 69-75.	2.0	59
33	Investigation on optical transmission spectra of (1â^'x)Pb(Mg1/3Nb2/3)O3â€“xPbTiO3 single crystals. Solid State Communications, 2004, 129, 401-405.	0.9	59
34	Effect of excess Bi2O3 on the electrical properties and microstructure of (Bi1/2Na1/2)TiO3 ceramics. Applied Physics A: Materials Science and Processing, 2005, 80, 1071-1075.	1.1	59
35	Ferroelectric and dielectric properties of solâ€“gel derived BaxSr1â^'xTiO3 thin films. Thin Solid Films, 2003, 424, 70-74.	0.8	58
36	Piezoelectric cement-based 1-3 composites. Applied Physics A: Materials Science and Processing, 2005, 81, 1451-1454.	1.1	58

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37	Preparation and characterization of hafnium doped barium titanate ceramics. Journal of Alloys and Compounds, 2007, 431, 197-202.	2.8	58
38	(Bi0.5Na0.5)0.94Ba0.06TiO3 lead-free ceramics with simultaneous addition of CeO2 and La2O3. Applied Physics A: Materials Science and Processing, 2005, 80, 333-336.	1.1	57
39	Effects of MnO2 on the microstructure and electrical properties of 0.94(K0.5Na0.5)NbO3â€“0.06Ba(Zr0.05Ti0.95)O3 lead-free ceramics. Materials Chemistry and Physics, 2008, 109, 455-458.	2.0	57
40	Fabrication and performance of endoscopic ultrasound radial arrays based on PMN-PT single crystal/epoxy 1-3 composite. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 477-484.	1.7	57
41	PZT ceramic/ceramic 0â€“3 nanocomposite films for ultrasonic transducer applications. Thin Solid Films, 2000, 375, 95-99.	0.8	56
42	Piezoelectric coefficient measurement of piezoelectric thin films: an overview. Materials Chemistry and Physics, 2002, 75, 12-18.	2.0	56
43	Colossal dielectric response in barium iron niobate ceramics obtained by different precursors. Ceramics International, 2008, 34, 1059-1062.	2.3	53
44	Ferroelectric and piezoelectric properties of Bi0.5Na0.5TiO3â€“SrTiO3â€“Bi0.5Li0.5TiO3 lead-free ceramics. Journal of Alloys and Compounds, 2009, 481, 310-315.	2.8	53
45	Highly flexible and transferable supercapacitors with ordered three-dimensional MnO₂/Au/MnO₂ nanospike arrays. Journal of Materials Chemistry A, 2015, 3, 10199-10204.	5.2	53
46	Converse magnetoelectric effects in piezoelectricâ€“piezomagnetic layered composites. Composites Science and Technology, 2008, 68, 1440-1444.	3.8	50
47	Novel gas sensoring materials based on CuS hollow spheres. Microporous and Mesoporous Materials, 2009, 118, 423-426.	2.2	50
48	Structural and electrical properties of BaTi4O9 microwave ceramics incorporated with glass phase. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 491-494.	1.7	49
49	High magnetoelectric effect in laminated composites of giant magnetostrictive alloy and lead-free piezoelectric ceramic. Journal of Applied Physics, 2007, 101, 104103.	1.1	49
50	Characterisation of proton irradiated Ba0.65Sr0.35TiO3/P(VDF-TrFE) ceramicâ€“polymer composites. Composites Science and Technology, 2002, 62, 2161-2167.	3.8	47
51	KxNa1â^'xNbO3 powder synthesized by molten-salt process. Materials Letters, 2007, 61, 409-411.	1.3	47
52	Dielectric characteristics and polarization response of lead-free ferroelectric (Bi0.5Na0.5)0.94Ba0.06TiO3â€“P(VDF-TrFE) 0â€“3 composites. Solid State Communications, 2004, 130, 695-699.	0.9	46
53	Giant sharp converse magnetoelectric effect from the combination of a piezoelectric transformer with a piezoelectric/magnetostrictive laminated composite. Applied Physics Letters, 2008, 93, 113503.	1.5	46
54	Hot-pressed K0.48Na0.52Nb1â^'xBixO3 (x=0.05â€“0.15) lead-free ceramics for electro-optic applications. Materials Chemistry and Physics, 2011, 131, 320-324.	2.0	46

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55	TiO2-nonstoichiometry dependence on piezoelectric properties and depolarization temperature of (Bi0.5Na0.5)0.94Ba0.06TiO3 lead-free ceramics. Solid State Communications, 2005, 134, 659-663.	0.9	45
56	Lead-free piezoceramic cymbal actuator. Sensors and Actuators A: Physical, 2006, 125, 393-397.	2.0	45
57	High-frequency ultrasonic transducer based on lead-free BSZT piezoceramics. Ultrasonics, 2011, 51, 811-814.	2.1	43
58	Compositionally graded BaxSr1âˆ'xTiO3 thin films for tunable microwave applications. Materials Chemistry and Physics, 2003, 79, 157-160.	2.0	41
59	Electromechanical and ferroelectric properties of (Bi1/2Na1/2)TiO3-(Bi1/2K1/2)TiO3-(Bi1/2Li1/2)TiO3-BaTiO3 lead-free piezoelectric ceramics for accelerometer application. Applied Physics A: Materials Science and Processing, 2007, 89, 775-781.	1.1	41
60	A magnetorheological damper capable of force and displacement sensing. Sensors and Actuators A: Physical, 2010, 158, 51-59.	2.0	40
61	Dynamics of an ultrasonic transducer used for wire bonding. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 1998, 45, 1453-1460.	1.7	39
62	Structural, dielectric and optical properties of Ba(Ti, Zr)O3 thin films prepared by chemical solution deposition. Thin Solid Films, 2004, 460, 227-231.	0.8	39
63	Microstructure, dielectric and piezoelectric properties of (K0.5Na0.5)NbO3-Ba(Ti0.95Zr0.05)O3 lead-free ceramics with CuO sintering aid. Applied Physics A: Materials Science and Processing, 2007, 88, 359-363.	1.1	39
64	P(VDF-TrFE) copolymer acoustic emission sensors. Sensors and Actuators A: Physical, 2000, 80, 237-241.	2.0	38
65	Characterization of barium titanate ceramic/ceramic nanocomposite films prepared by a sol-gel process. Scripta Materialia, 1999, 11, 837-844.	0.5	37
66	Diffusion phase transition and dielectric characteristics of Bi0.5Na0.5TiO3â€“Ba(Hf,Ti)O3 lead-free ceramics. Solid State Communications, 2007, 142, 10-14.	0.9	37
67	Bismuth sodium titanate based lead-free ultrasonic transducer for microelectronics wirebonding applications. Ceramics International, 2008, 34, 773-777.	2.3	37
68	Piezocomposite ultrasonic transducer for high-frequency wire-bonding of microelectronics devices. Sensors and Actuators A: Physical, 2007, 133, 195-199.	2.0	36
69	Composition control and electrical properties of PMN-PT thin films around the morphotropic boundary. Applied Physics A: Materials Science and Processing, 2004, 79, 551-556.	1.1	35
70	Fine-grained multiferroic BaTiO3/(Ni0.5Zn0.5)Fe2O4 composite ceramics synthesized by novel powder-in-sol precursor hybrid processing route. Materials Research Bulletin, 2009, 44, 1339-1346.	2.7	35
71	Electrical, magnetic, and magnetoelectric characterization of fine-grained Pb(Zr0.53Ti0.47)O3â€“(Ni0.5Zn0.5)Fe2O4 composite ceramics. Journal of Alloys and Compounds, 2011, 509, 6311-6316.	2.8	35
72	Magnetoelectric effect from mechanically mediated torsional magnetic force effect in NdFeB magnets and shear piezoelectric effect in 0.7Pb(Mg1âˆ•3Nb2âˆ•3)O3â€“0.3PbTiO3 single crystal. Applied Physics Letters, 2008, 92, .	1.5	34

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73	Growth and optical properties of 0.62Pb(Mg1/3Nb2/3)O3-0.38PbTiO3 single crystals by a modified Bridgman technique. Journal of Crystal Growth, 2004, 263, 251-255.	0.7	33
74	Optical properties of Ba0.5Sr0.5TiO3 thin films grown on MgO substrates by pulsed laser deposition. Ceramics International, 2004, 30, 1745-1748.	2.3	33
75	Improved performance of asymmetric fiber-based micro-supercapacitors using carbon nanoparticles for flexible energy storage. Journal of Materials Chemistry A, 2015, 3, 15633-15641.	5.2	33
76	Detection of high-frequency ultrasound with a polarization-maintaining fiber. Journal of Lightwave Technology, 1990, 8, 1221-1227.	2.7	32
77	Study on ceramic/polymer composite fabricated by laser cutting. Materials Chemistry and Physics, 2002, 75, 147-150.	2.0	32
78	Dielectric properties of 65PMNâ€“35PT/P(VDFâ€“TrFE) 0â€“3 composites. Microelectronic Engineering, 2003, 66, 792-797.	1.1	32
79	Broad-band and high-temperature ultrasonic transducer fabricated using a Pb(In1/2Nb1/2)-Pb(Mg1/3Nb2/3)-PbTiO3 single crystal/epoxy 1â€“3 composite. Review of Scientific Instruments, 2011, 82, 055110.	0.6	32
80	Electro-optic characterization of tetragonal (1â^'x)Pb(Mg1/3Nb2/3)O3â€“xPbTiO3 single crystals by a modified SÃ©narmont setup. Solid State Communications, 2005, 134, 547-551.	0.9	31
81	Lead-free KNLNT piezoelectric ceramics for high-frequency ultrasonic transducer application. Ultrasonics, 2009, 49, 395-398.	2.1	31
82	Anodic aluminum oxideâ€“epoxy composite acoustic matching layers for ultrasonic transducer application. Ultrasonics, 2016, 70, 29-33.	2.1	31
83	Thermal hysteresis in the permittivity and polarization of lead zirconate titanate/vinylidenefluoride-trifluoroethylene 0-3 composites. IEEE Transactions on Dielectrics and Electrical Insulation, 1996, 3, 800-805.	1.8	30
84	High frequency 1-3 composite transducer fabricated using solâ€“gel derived lead-free BNBT fibers. Sensors and Actuators A: Physical, 2004, 114, 1-6.	2.0	30
85	Nanocrystalline powder and fibres of lead zirconate titanate prepared by the sol-gel process. Journal of Materials Processing Technology, 1997, 63, 281-285.	3.1	29
86	Nanocomposite ultrasonic hydrophones. Sensors and Actuators A: Physical, 1999, 75, 252-256.	2.0	29
87	Piezoelectric coefficient of GaN measured by laser interferometry. Journal of Non-Crystalline Solids, 1999, 254, 123-127.	1.5	29
88	Ferroelectric lead magnesium niobateâ€“lead titanate single crystals for ultrasonic hydrophone applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 111, 25-30.	1.7	29
89	Synthesis and properties of ferroelectric SrBi2Ta2O9 powder and films prepared by a solâ€“gel process. Journal of Non-Crystalline Solids, 1999, 254, 106-111.	1.5	28
90	Preparation and characterisation of compositionally graded Ba x Sr 1-x TiO 3 thin films. Applied Physics A: Materials Science and Processing, 2002, 75, 597-600.	1.1	28

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91	Microstructures and dielectric properties of compositionally graded (Ba 1-x Sr x) TiO 3 thin films prepared by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2003, 76, 225-229.	1.1	28
92	Orientation controllable deposition of LiNbO3 films on sapphire and diamond substrates for surface acoustic wave device application. Journal of Crystal Growth, 2004, 268, 144-148.	0.7	28
93	Dielectric properties and high tunability of (100)-oriented Ba(Zr0.2Ti0.8)O3 thin films prepared by pulsed laser deposition. Scripta Materialia, 2006, 54, 197-200.	2.6	28
94	Preparation and properties of (Ba0Â·6Sr0Â·4)Bi2Ta2O9 ceramic. Journal of the European Ceramic Society, 1999, 19, 985-988.	2.8	27
95	Finite element analysis on piezoelectric ring transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1247-1254.	1.7	27
96	Relaxor behaviors and tunability in BaZr(0.35)Ti(0.65)O3 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 198-201.	2.6	27
97	Giant resonance frequency tunable magnetoelectric effect in a device of Pb(Zr0.52Ti0.48)O3 drum transducer, NdFeB magnet, and Fe-core solenoid. Applied Physics Letters, 2010, 96, .	1.5	27
98	Triple-like hysteresis loop and microdomainâ€“macrodomain transformation in the relaxor-based 0.76Pb(Mg1/3Nb2/3)O3â€“0.24PbTiO3 single crystal. Materials Research Bulletin, 2004, 39, 223-230.	2.7	26
99	Piezoelectrically actuated ejector using PMNâ€“PT single crystal. Sensors and Actuators A: Physical, 2005, 121, 197-202.	2.0	26
100	Study of compressive type accelerometer based on lead-free BNKBT piezoceramics. Applied Physics A: Materials Science and Processing, 2006, 82, 715-718.	1.1	26
101	Suppressing the Coffee-Ring Effect in Semitransparent MnO₂ Film for a High-Performance Solar-Powered Energy Storage Window. ACS Applied Materials & Interfaces, 2016, 8, 9088-9096.	4.0	26
102	Piezoelectric composite hydrophone array. Sensors and Actuators A: Physical, 2002, 96, 14-20.	2.0	25
103	A strong correlation of crystal structure and Curie point of barium titanate ceramics with Ba/Ti ratio of precursor composition. Physica B: Condensed Matter, 2008, 403, 660-663.	1.3	25
104	Lead-free alkaline niobate-based transducer for ultrasonic wirebonding applications. Sensors and Actuators A: Physical, 2009, 150, 267-271.	2.0	25
105	PMNâ€“PT single-crystal transducer for non-destructive evaluation. Sensors and Actuators A: Physical, 2006, 132, 434-440.	2.0	24
106	Structural and electric properties of barium strontium titanate based ceramic composite as a humidity sensor. Solid State Ionics, 2008, 179, 1632-1635.	1.3	24
107	Piezoelectric and dielectric characteristics of lead-free BNKLBT ceramic thick film and multilayered piezoelectric actuators. Ceramics International, 2010, 36, 2345-2350.	2.3	24
108	High frequency PMNâ€“PT single crystal focusing transducer fabricated by a mechanical dimpling technique. Ultrasonics, 2013, 53, 345-349.	2.1	24

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109	Step-changed long-period fiber gratings. IEEE Photonics Technology Letters, 2002, 14, 657-659.	1.3	23
110	Large magnetoelectric effect from mechanically mediated magnetic field-induced strain effect in Niâ€“Mnâ€“Ga single crystal and piezoelectric effect in PVDF polymer. Journal of Alloys and Compounds, 2010, 490, L5-L8.	2.8	23
111	Composition dependence of structural and optical properties of Ba(Zrx,Ti1-x)O3 thin films grown on MgO substrates by pulsed laser deposition. Thin Solid Films, 2011, 519, 6313-6318.	0.8	23
112	Dielectric permittivity of PCLT/PVDF-TRFE nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2000, 7, 204-207.	1.8	22
113	Electrical properties of (Pb0.76Ca0.24)TiO3 thin films on LaNiO3 coated Si and fused quartz substrates prepared by a solâ€“gel process. Applied Surface Science, 2003, 207, 63-68.	3.1	22
114	Lead-free transducer for non-destructive evaluation. Applied Physics A: Materials Science and Processing, 2007, 88, 209-215.	1.1	22
115	Influence of oxygen partial pressure on the structural and dielectric properties of Ba(Zr0.3Ti0.7)O3 thin films grown on (LaAlO3)0.3(Sr2AlTaO6)0.35 (001) using pulsed laser deposition. Thin Solid Films, 2009, 517, 2092-2098.	0.8	22
116	Pyroelectric properties of PbTiO3/P(VDFâ€“TrFE) 0â€“3 nanocomposite films. Thin Solid Films, 1998, 323, 270-274.	0.8	21
117	Additional dc magnetic field response of magnetostrictive/piezoelectric magnetoelectric Laminates by Lorentz force effect. Journal of Applied Physics, 2006, 100, 126102.	1.1	21
118	Dielectric properties of barium titanate ceramics modified by SiO2 and by BaOâ€“SiO2. Physica B: Condensed Matter, 2009, 404, 2374-2376.	1.3	21
119	Behavior of a PZT ring under non-uniform mechanical stress. Ultrasonics, 2002, 39, 735-742.	2.1	20
120	The effects of composition gradients of BaxSr1â^'xTiO3 thin films on their microstructures, dielectric and optical properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 103, 246-252.	1.7	20
121	Effects of rare earth Eu doping on ferroelectric properties of PbZr0.52Ti0.48O3 thin films by solâ€“gel methods. Microelectronic Engineering, 2003, 66, 726-732.	1.1	20
122	Lead-free BNBT-6 piezoelectric ceramic fibre/epoxy 1-3 composites for ultrasonic transducer applications. Applied Physics A: Materials Science and Processing, 2005, 80, 1531-1534.	1.1	20
123	Large Magnetostriction in Epoxy-Bonded Terfenol-D Continuous-Fiber Composite With [112] Crystallographic Orientation. IEEE Transactions on Magnetics, 2006, 42, 3111-3113.	1.2	20
124	Giant magnetoelectric effect in mechanically clamped heterostructures of magnetostrictive alloy and piezoelectric crystal-alloy cymbal. Applied Physics Letters, 2008, 93, .	1.5	20
125	Effect of phase transformation on the converse magnetoelectric properties of a heterostructure of Ni49.2Mn29.6Ga21.2 and 0.7PbMg1/3Nb2/3O3-0.3PbTiO3 crystals. Applied Physics Letters, 2010, 96, .	1.5	20
126	Endoscopic ultrasound radial array transducers fabricated with PZT tube by a rotate-and-dice method. Sensors and Actuators A: Physical, 2013, 201, 357-362.	2.0	20

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127	Preparation of PCLT/P(VDF-TrFE) pyroelectric sensor based on plastic film substrate. Sensors and Actuators A: Physical, 2002, 100, 231-235.	2.0	19
128	Processing effects on the microstructure and ferroelectric properties of Pb(Zr,Ti)O3 thin films prepared by solâ€“gel process. Surface and Coatings Technology, 2002, 161, 169-173.	2.2	19
129	Degradation in lead zirconate titanate piezoelectric ceramics by high power resonant driving. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 203-206.	1.7	19
130	Effects of texture on the dielectric properties of Ba(Zr0.2Ti0.8)O3 thin films prepared by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2005, 81, 1253-1256.	1.1	19
131	Large one-dimensional band gaps in three-component phononic crystals plates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 366, 493-496.	0.9	19
132	Dielectric behavior and phase transition in perovskite oxide Pb(Fe1/2Nb1/2)1â^'xTixO3 single crystal. Journal of Applied Physics, 2009, 105, 124109.	1.1	19
133	Dielectric and pyroelectric properties of P(VDF-TrFE) and PCLTâ€“P(VDF-TrFE) 0â€“3 nanocomposite films. Composites Part A: Applied Science and Manufacturing, 1999, 30, 163-167.	3.8	18
134	Two-step interfacial reaction of HfO2 high-k gate dielectric thin films on Si. Ceramics International, 2004, 30, 1267-1270.	2.3	18
135	Preparation and characterization of poly(vinylidene fluorideâ€“trifluoroethylene) copolymer nanowires and nanotubes. Materials Letters, 2006, 60, 2357-2361.	1.3	18
136	Magnetoelectric effect from the direct coupling of the Lorentz force from a brass ring with transverse piezoelectricity in a lead zirconate titanate (PZT) disk. Applied Physics A: Materials Science and Processing, 2007, 89, 1025-1027.	1.1	18
137	Synthesis of fine-crystalline Ba0.6Sr0.4TiO3â€“MgO ceramics by novel hybrid processing route. Journal of Physics and Chemistry of Solids, 2009, 70, 1218-1222.	1.9	18
138	The strain effect and the ferroelectric field effect in LaMnO3+Î´ film/Pb(Mg1/3Nb2/3)O3â€“PbTiO3 single-crystal heterostructures. Journal of Alloys and Compounds, 2013, 581, 530-533.	2.8	18
139	Structural, Magnetic, and Magnetostrictive Properties of<tex>$hbox Tb_1-xhbox Nd_x(hbox) Tj ETQq1 1 0.784314 rgBT /Overlo	1.2	17
140	UV laser micromachining of piezoelectric ceramic using a pulsed Nd:YAG laser. Applied Physics A: Materials Science and Processing, 2004, 78, 415-421.	1.1	17
141	Dielectric properties and high tunability of (100)- and (110)-oriented (Ba0.5Sr0.5)TiO3 thin films prepared by pulsed laser deposition. Journal of Crystal Growth, 2005, 285, 613-619.	0.7	17
142	A novel drum piezoelectric-actuator. Applied Physics A: Materials Science and Processing, 2006, 84, 385-389.	1.1	17
143	Bidirectional current-voltage converters based on magnetostrictive/piezoelectric composites. Applied Physics Letters, 2009, 94, 263504.	1.5	17
144	Response of nanocomposite pyroelectric detectors. Sensors and Actuators A: Physical, 1998, 69, 156-165.	2.0	16

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145	Compositionally graded epitaxial barium strontium titanate thin films derived from pulsed laser deposition. Materials Chemistry and Physics, 2003, 79, 164-168.	2.0	16
146	Electrical properties of compositionally graded lead calcium titanate thin films. Solid State Communications, 2003, 127, 625-628.	0.9	16
147	Effect of electrode pattern on the outputs of piezosensors for wire bonding process control. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 121-126.	1.7	16
148	Fabrication and magnetic behavior of Coâ€“Ni nanowire arrays with small diameters. Physica B: Condensed Matter, 2004, 353, 187-191.	1.3	16
149	Study of 1-3 composite transducer for ultrasonic wirebonding application. Ceramics International, 2004, 30, 1141-1146.	2.3	16
150	Crystal orientation dependence of the optical bandgap of (1â^'x)Pb(Mg1/3Nb2/3)O3â€“xPbTiO3 single crystals. Materials Chemistry and Physics, 2005, 92, 123-127.	2.0	16
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