Zhaoqiang Chu

List of Publications by Year
in descending order

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171	11,898	46984 47	27389 106
papers	citations	h-index	g-index

173	173	173	6017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	From Model to Algorithms: Distributed Magnetic Sensor System for Vehicle Tracking. IEEE Transactions on Industrial Informatics, 2023, 19, 2963-2972.	7.2	8
2	Low temperature sintering of Li2CO3 added Pb(Ni1/3Nb2/3)-Pb(Zr,Ti)O3 ceramics with high piezoelectric properties. Journal of Alloys and Compounds, 2022, 892, 162132.	2.8	14
3	Designing Artificial Vibration Modes of Piezoelectric Devices Using Programmable, 3D Ordered Structure with Piezoceramic Strain Units. Advanced Materials, 2022, 34, e2107236.	11.1	15
4	Axial compressive stress for depolarization suppression and source level enhancement of underwater projectors made of [011]-poled PZN-PT single crystals. Applied Physics Letters, 2022, 120, .	1.5	1
5	Low-Frequency Magnetic Field Detection Using Magnetoelectric Sensor With Optimized Metglas Layers by Frequency Modulation. IEEE Sensors Journal, 2022, 22, 4028-4035.	2.4	9
6	Significantly Enhanced Power Generation from Extremely Lowâ€Intensity Magnetic Field via a Clampedâ€Clamped Magnetoâ€Mechanoâ€Electric Generator. Advanced Energy Materials, 2022, 12, .	10.2	20
7	A co-fired multilayer PMnS-PZT ceramic based linear piezoelectric ultrasonic micromotor with a high-load-density. Applied Physics Letters, 2022, 120, .	1.5	4
8	A PMNNâ€PZT Piezoceramic Based Magnetoâ€Mechanoâ€Electric Coupled Energy Harvester. Advanced Functional Materials, 2022, 32, .	7.8	17
9	A method to compensate for the lift off effect of ACFM in crack estimation of nonferromagnetic metals. Journal of Magnetism and Magnetic Materials, 2022, 554, 169301.	1.0	8
10	A poling-free PVDF nanocomposite via mechanically directional stress field for self-powered pressure sensor application. Nano Energy, 2022, 98, 107340.	8.2	53
11	Highly-Sensitive MEMS Micro-Fluxgate Magnetometer. IEEE Electron Device Letters, 2022, 43, 1327-1330.	2.2	8
12	A Magnetoelectric Compass for In-Plane AC Magnetic Field Detection. IEEE Transactions on Industrial Electronics, 2021, 68, 3527-3536.	5.2	16
13	Highly Sensitive Magneto-Mechano-Electric Magnetic Field Sensor Based on Torque Effect. IEEE Sensors Journal, 2021, 21, 1409-1416.	2.4	4
14	Low-power eddy current detection with 1-1 type magnetoelectric sensor for pipeline cracks monitoring. Sensors and Actuators A: Physical, 2021, 318, 112496.	2.0	21
15	Unconventional piezoelectric coefficients in perovskite piezoelectric ceramics. Journal of Materiomics, 2021, 7, 254-263.	2.8	9
16	Magnetoelectric devices based on magnetoelectric bulk composites. Journal of Materials Chemistry C, 2021, 9, 5594-5614.	2.7	26
17	Multiferroic Composites. , 2021, , 225-240.		1
18	Enhancing weak magnetic field MME coupling in NdFeB magnet/piezoelectric composite cantilevers with stress concentration effect. Applied Physics Letters, 2021, 118, .	1.5	13

#	Article	IF	Citations
19	Review of Magnetoelectric Sensors. Actuators, 2021, 10, 109.	1.2	42
20	Monolithic piezoceramic actuators with a twist. Science China Materials, 2021, 64, 2777-2785.	3.5	2
21	Using magnetoelectric effect to reveal magnetization behavior of bulk and heavy ferromagnetic materials. Applied Materials Today, 2021, 23, 101051.	2.3	3
22	A 3D-printed, alternatively tilt-polarized PVDF-TrFE polymer with enhanced piezoelectric effect for self-powered sensor application. Nano Energy, 2021, 85, 105985.	8.2	86
23	A bending-bending mode piezoelectric actuator based on PIN-PMN-PT crystal stacks. Sensors and Actuators A: Physical, 2021, 331, 113052.	2.0	7
24	Control of ferromagnetic resonance by phase change in Si/GeSbTe/FeCoB heterostructures. Journal of Magnetism and Magnetic Materials, 2021, 538, 168312.	1.0	2
25	High-performance Pb(Ni1/3Nb2/3)O3-PbZrO3-PbTiO3 ceramics with the triple point composition. Journal of the European Ceramic Society, 2021, 41, 6983-6990.	2.8	30
26	3D-printed flexible, multilayered ceramic-polymer composite grid with integrated structural-self-sensing function. Sensors and Actuators A: Physical, 2021, 332, 113187.	2.0	13
27	Jumping and hysteresis effect in 1â€“1-typed magnetoelectric resonators. Applied Physics Letters, 2021, 119, .	1.5	7
28	An approach combining additive manufacturing and dielectrophoresis for 3D-structured flexible lead-free piezoelectric composites for electromechanical energy conversion. Journal of Materials Chemistry A, 2021, 9, 26767-26776.	5.2	13
29	The large piezoelectricity and high power density of a 3D-printed multilayer copolymer in a rugby ball-structured mechanical energy harvester. Energy and Environmental Science, 2020, 13, 152-161.	15.6	82
30	Piezoelectric Actuators and Motors: Materials, Designs, and Applications. Advanced Materials Technologies, 2020, 5, 1900716.	3.0	224
31	A magneto-mechano-electric (MME) energy harvester based on rectangular cymbal structure. Sensors and Actuators A: Physical, 2020, 316, 112400.	2.0	18
32	Effective enhancement of piezomagnetic effect in core/shell structured cobalt/manganese-zinc nanocomposite. Applied Materials Today, 2020, 21, 100834.	2.3	1
33	A ring-shaped linear ultrasonic motor based on PSN-PMS-PZT ceramic. Sensors and Actuators A: Physical, 2020, 309, 112036.	2.0	9
34	A ring-shaped, linear piezoelectric ultrasonic motor operating in E01 mode. Applied Physics Letters, 2020, 116, .	1.5	15
35	Tailoring Artificial Mode to Enable Cofired Integration of Shearâ€type Piezoelectric Devices. Advanced Science, 2020, 7, 2001368.	5.6	7
36	Designing Ordered Structure with Piezoceramic Actuation Units (OSPAU) for Generating Continual Nanostep Motion. Advanced Science, 2020, 7, 2001155.	5.6	15

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37	Ultralow dielectric loss of BiScO3-PbTiO3 ceramics by Bi(Mn1/2Zr1/2)O3 modification. Journal of the European Ceramic Society, 2020, 40, 3003-3010.	2.8	22
38	Quantitative domain engineering for realizing d36 piezoelectric coefficient in tetragonal ceramics. Acta Materialia, 2020, 188, 416-423.	3.8	9
39	Versatile power and energy conversion of magnetoelectric composite materials with high efficiency via electromechanical resonance. Nano Energy, 2020, 70, 104506.	8.2	40
40	Highâ€Performance [001]câ€Textured PNNâ€PZT Relaxor Ferroelectric Ceramics for Electromechanical Coupling Devices. Advanced Functional Materials, 2020, 30, 2001846.	7.8	66
41	3D-printed flexible, Ag-coated PNN-PZT ceramic-polymer grid-composite for electromechanical energy conversion. Nano Energy, 2020, 73, 104737.	8.2	57
42	A Portable Very Low Frequency (VLF) Communication System Based on Acoustically Actuated Magnetoelectric Antennas. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 398-402.	2.4	116
43	Multiferroic Magnetoelectric Composites: Historical Perspective, Status, and Future Directions. , 2020, , 191-293.		2
44	Electrode shape dependence of the barbell-shaped magneto-mechano-electric energy harvester for low-frequency applications. Sensors and Actuators A: Physical, 2019, 297, 111535.	2.0	10
45	Conductive mechanism and the enhancement high-power electrical properties of Mn-modified Bi(Sc3/4In1/4)O3â€“PbTiO3â€“Pb(Mg1/3Nb2/3)O3 high temperature piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 7780-7786.	1.1	1
46	Mechanical-Resonance-Enhanced Thin-Film Magnetoelectric Heterostructures for Magnetometers, Mechanical Antennas, Tunable RF Inductors, and Filters. Materials, 2019, 12, 2259.	1.3	53
47	Structure and enhanced piezoelectric performance of BiScO3-PbTiO3-Pb(Ni1/3Nb2/3)O3 ternary high temperature piezoelectric ceramics. Journal of Alloys and Compounds, 2019, 806, 11-18.	2.8	23
48	A low-power and high-sensitivity magnetic field sensor based on converse magnetoelectric effect. Applied Physics Letters, 2019, 115, .	1.5	30
49	Designing electromechanical metamaterial with full nonzero piezoelectric coefficients. Science Advances, 2019, 5, eaax1782.	4.7	48
50	Enhanced self-bias magnetoelectric effect in locally heat-treated ME laminated composite. Applied Physics Letters, 2019, 115, .	1.5	12
51	Voltage-Driven Nonlinearity in Magnetoelectric Heterostructures. Physical Review Applied, 2019, 12, .	1.5	24
52	Giant Piezoelectricity of Ternary Perovskite Ceramics at High Temperatures. Advanced Functional Materials, 2019, 29, 1807920.	7.8	50
53	(Na_{1/2}Bi_{1/2})TiO₃â€based leadâ€free coâ€fired multilayer actuators with large strain and high fatigue resistance. Journal of the American Ceramic Society, 2019, 102, 6147-6155.	1.9	30
54	Piezoelectrically actuated vibrating flexible differential capacitances for electrostatic detection. Applied Physics Letters, 2019, 114, .	1.5	1

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55	Quantitative studies of domain evolution in tetragonal BSâ€“PT ceramics in electric poling and thermal depoling processes. Journal of Materials Chemistry C, 2019, 7, 4517-4526.	2.7	10
56	Enhanced low-frequency magnetic field sensitivity in magnetoelectric composite with amplitude modulation method. Applied Physics Letters, 2019, 114, .	1.5	23
57	A 1D Magnetoelectric Sensor Array for Magnetic Sketching. Advanced Materials Technologies, 2019, 4, 1800484.	3.0	24
58	A Piezoelectric and Electromagnetic Dual Mechanism Multimodal Linear Actuator for Generating Macro- and Nanomotion. Research, 2019, 2019, 8232097.	2.8	12
59	A diffraction-plane-transformation model for quantitatively evaluating 90Â° domain evolution in tetragonal BS-PT piezoelectric ceramic. Journal of Alloys and Compounds, 2018, 745, 669-676.	2.8	9
60	Dual-stimulus magnetoelectric energy harvesting. MRS Bulletin, 2018, 43, 199-205.	1.7	47
61	A multilayered-cylindrical piezoelectric shear actuator operating in shear (d15) mode. Applied Physics Letters, 2018, 112, .	1.5	26
62	Low-Temperature Co-Fired Unipoled Multilayer Piezoelectric Transformers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 513-519.	1.7	17
63	Magnetoelectric coupling of a magnetoelectric flux gate sensor in vibration noise circumstance. AIP Advances, 2018, 8, .	0.6	6
64	Enhanced piezoelectric performance of BiScO3-PbTiO3 ceramics modified by 0.03Pb(Sb1/2Nb1/2)O3. Journal of Alloys and Compounds, 2018, 731, 1140-1145.	2.8	15
65	A passive isolator realized by magnetoelectric laminate composites. Applied Physics Letters, 2018, 113, .	1.5	16
66	Giant Piezoelectric Coefficients in Relaxor Piezoelectric Ceramic PNNâ€PZT for Vibration Energy Harvesting. Advanced Functional Materials, 2018, 28, 1706895.	7.8	152
67	Review of multi-layered magnetoelectric composite materials and devices applications. Journal Physics D: Applied Physics, 2018, 51, 243001.	1.3	193
68	A hexagonal-framed magnetoelectric composite for magnetic vector measurement. Applied Physics Letters, 2018, 113, .	1.5	17
69	Enhanced Resonance Magnetoelectric Coupling in (1â€1) Connectivity Composites. Advanced Materials, 2017, 29, 1606022.	11.1	137
70	A micromachined piezoelectric microgripper for manipulation of micro/nanomaterials. Review of Scientific Instruments, 2017, 88, 065002.	0.6	17
71	A magnetoelectric flux gate: new approach for weak DC magnetic field detection. Scientific Reports, 2017, 7, 8592.	1.6	32
72	A square-framed ME composite with inherent multiple resonant peaks for broadband magnetoelectric response. Science Bulletin, 2017, 62, 1177-1180.	4.3	6

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73	A modified barbell-shaped PNN-PZT-PIN piezoelectric ceramic energy harvester. Applied Physics Letters, 2017, 111, .	1.5	25
74	Enhanced Actuation Performance and Reduced Heat Generation in Shear-Bending Mode Actuator at High Temperature. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1186-1191.	1.7	5
75	A barbell-shaped high-temperature piezoelectric vibration energy harvester based on BiScO3-PbTiO3 ceramic. Applied Physics Letters, 2016, 109, .	1.5	47
76	A flexible, wave-shaped P(VDF-TrFE)/metglas piezoelectric composite for wearable applications. Journal of Applied Physics, 2016, 120, .	1.1	31
77	A spiral motion piezoelectric micromotor for autofocus and auto zoom in a medical endoscope. Applied Physics Letters, 2016, 108, 052902.	1.5	25
78	Excitation of fundamental shear horizontal wave by using face-shear (d36) piezoelectric ceramics. Journal of Applied Physics, 2016, 119, .	1.1	47
79	Phase transitional behavior and enhanced electrical properties of Bi(Sc3/4In1/4)O3â€“PbTiO3 by small content Pb(Mg1/3Nb2/3)O3 modification. Journal of Materials Science: Materials in Electronics, 2016, 27, 606-612.	1.1	3
80	Highâ€Temperature BiScO₃â€PbTiO₃ Piezoelectric Vibration Energy Harvester. Advanced Functional Materials, 2016, 26, 7186-7194.	7.8	116
81	Theoretical analysis on shear-bending deflection of a ring-shape piezoelectric plate. AIP Advances, 2016, 6, .	0.6	3
82	Full set of material constants of (Na0.5K0.5)NbO3â€“BaZrO3â€“(Bi0.5Li0.5)TiO3 lead-free piezoelectric ceramics at the morphotropic phase boundary. Journal of Alloys and Compounds, 2016, 655, 290-295.	2.8	21
83	Investigation on Resonant Vibration Performances of Feâ€Doped BiScO₃â€“PbTiO₃ Ceramics in Highâ€Temperature Environment. Journal of the American Ceramic Society, 2015, 98, 3145-3152.	1.9	19
84	A standing wave linear ultrasonic motor operating in in-plane expanding and bending modes. Review of Scientific Instruments, 2015, 86, 035002.	0.6	48
85	Development of hard high-temperature piezoelectric ceramics for actuator applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 9350-9354.	1.1	6
86	A two-layer linear piezoelectric micromotor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 405-411.	1.7	38
87	Actuation performance and heat generation of shear-bending actuator based on BiScO3-PbTiO3 ceramics from 25 to 300â€‰Â°C. Applied Physics Letters, 2015, 107, .	1.5	13
88	A differential magnetoelectric laminated composite for vibration noise suppression. Science Bulletin, 2014, 59, 5223-5226.	1.7	5
89	MnO 2 doped PSNâ€“PZNâ€“PZT piezoelectric ceramics for resonant actuator application. Journal of Alloys and Compounds, 2014, 615, 676-682.	2.8	29
90	Magneto-Mechano-Electric (MME) Energy Harvesting Properties of Piezoelectric Macro-fiber Composite/Ni Magnetoelectric Generator. Energy Harvesting and Systems, 2014, 1, 3-11.	1.7	36

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91	A two degrees-of-freedom piezoelectric single-crystal micromotor. Journal of Applied Physics, 2014, 116, .	1.1	40
92	A small linear ultrasonic motor utilizing longitudinal and bending modes of a piezoelectric tube. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 705-709.	1.7	47
93	Energy harvesting from ambient low-frequency magnetic field using magneto-mechano-electric composite cantilever. Applied Physics Letters, 2014, 104, .	1.5	109
94	Theoretical analysis on low frequency magneto-mechano-electric coupling behavior in piezo-unimorph/magnet composite. Journal of Applied Physics, 2014, 115, 164104.	1.1	15
95	Cryogenic motion performances of a piezoelectric single crystal micromotor. Journal of Applied Physics, 2014, 115, .	1.1	9
96	Large electrical manipulation of permittivity in BaTiO3 and Pb(Zr,Ti)O3 bimorph heterostructure. Applied Physics Letters, 2014, 105, .	1.5	3
97	Converse magnetoelectric effect in laminated composite of Metglas and Pb(Zr,Ti)O3 with screen-printed interdigitated electrodes. AIP Advances, 2014, 4, 067105.	0.6	4
98	Effect of magnetic domain structure on longitudinal and transverse magnetoelectric response of particulate magnetostrictive-piezoelectric composites. Applied Physics Letters, 2014, 104, .	1.5	20
99	A square-plate piezoelectric linear motor operating in two orthogonal and isomorphic face-diagonal-bending modes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 159-165.	1.7	15
100	Review on high temperature piezoelectric ceramics and actuators based on BiScO₃â€“PbTiO₃ solid solutions. Journal of Advanced Dielectrics, 2014, 04, 1430002.	1.5	53
101	A square-plate ultrasonic linear motor operating in two orthogonal first bending modes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 115-120.	1.7	34
102	Eddy-current effect on resonant magnetoelectric coupling in magnetostrictive-piezoelectric laminated composites. Journal of Applied Physics, 2013, 114, .	1.1	15
103	Enhanced electrical manipulation of magnetic susceptibility in ferromagnetic amorphous alloy and piezoelectric bimorph heterostructure. Journal of Applied Physics, 2013, 114, 064107.	1.1	13
104	Ferroelectric memristor based on Pt/BiFeO3/Nb-doped SrTiO3 heterostructure. Applied Physics Letters, 2013, 102, .	1.5	143
105	High-temperature actuation performance of BiScO₃â€“PbTiO₃ ceramics and their multilayer configuration. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 446-450.	1.7	23
106	A piezoelectric pseudo-bimorph actuator. Applied Physics Letters, 2013, 102, .	1.5	10
107	A miniature cylindrical piezoelectric motor with an asymmetric vibrator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1498-1504.	1.7	20
108	Ferroelectric, piezoelectric, and dielectric properties of BiScO3-PbTiO3-Pb(Cd1/3Nb2/3)O3 ternary high temperature piezoelectric ceramics. Journal of Applied Physics, 2013, 114, .	1.1	26

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109	A high-temperature piezoelectric linear actuator operating in two orthogonal first bending modes. Applied Physics Letters, 2013, 102, .	1.5	21
110	A standing wave linear ultrasonic motor operating in face-diagonal-bending mode. Applied Physics Letters, 2013, 103, .	1.5	34
111	A digitally linear piezoelectric bimorph actuator in open-loop mode. Applied Physics Letters, 2013, 102, 123503.	1.5	7
112	Three-degree-of-freedom ultrasonic motor using a 5-mm-diameter piezoelectric ceramic tube. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1446-1452.	1.7	32
113	Enhanced piezoelectric performance of (0.98-x)Bi(Sc3/4In1/4)O3-xPbTiO3-0.02Pb(Zn1/3Nb2/3)O3 ternary high temperature piezoelectric ceramics. Journal of Applied Physics, 2013, 113, .	1.1	15
114	A shear-bending mode high temperature piezoelectric actuator. Applied Physics Letters, 2012, 101, .	1.5	18
115	Epitaxial growth and capacitance-voltage characteristics of BiFeO3/CeO2/yttria-stabilized zirconia/Si(001) heterostructure. Applied Physics Letters, 2012, 100, 252908.	1.5	12
116	A high-temperature double-mode piezoelectric ultrasonic linear motor. Applied Physics Letters, 2012, 101, 072902.	1.5	37
117	Temperature dependence of dielectric, piezoelectric and elastic properties of BiScO3â€“PbTiO3 high temperature ceramics with morphotropic phase boundary (MPB) composition. Journal of Alloys and Compounds, 2012, 537, 280-285.	2.8	72
118	Colossal low-frequency resonant magnetomechanical and magnetoelectric effects in a three-phase ferromagnetic/elastic/piezoelectric composite. Applied Physics Letters, 2012, 101, .	1.5	58
119	REVIEW ON PIEZOELECTRIC, ULTRASONIC, AND MAGNETOELECTRIC ACTUATORS. Journal of Advanced Dielectrics, 2012, 02, 1230001.	1.5	83
120	Theoretical analyses on effective magnetoelectric coupling coefficients in piezoelectric/piezomagnetic laminates. Journal of Applied Physics, 2011, 109, .	1.1	34
121	A flex-compressive-mode piezoelectric transducer for mechanical vibration/strain energy harvesting. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 698-703.	1.7	63
122	Equivalent circuit and optimum design of a multilayer laminated piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2504-2515.	1.7	8
123	A piezoelectric single-crystal ultrasonic microactuator for driving optics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2737-2742.	1.7	9
124	Morphotropic phase boundary and high temperature dielectric, piezoelectric, and ferroelectric properties of (1â^'x)Bi(Sc3/4In1/4)O3-xPbTiO3 ceramics. Journal of Applied Physics, 2011, 110, .	1.1	28
125	A double-mode piezoelectric single-crystal ultrasonic micro-actuator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2596-2600.	1.7	41
126	Tunable features of magnetoelectric transformers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1124-1127.	1.7	29

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127	Equivalent circuit method for static and dynamic analysis of magnetoelectric laminated composites. Science Bulletin, 2008, 53, 2113-2123.	4.3	91
128	Magnetoelectric laminate based DC magnetic field sensor. Physica Status Solidi - Rapid Research Letters, 2008, 2, 108-110.	1.2	19
129	Magnetoelectric Laminate Composites: An Overview. Journal of the American Ceramic Society, 2008, 91, 351-358.	1.9	397
130	Enhanced multiferroic properties of the high-valence Pr doped BiFeO3 thin film. Applied Physics Letters, 2008, 93, .	1.5	146
131	Multimodal system for harvesting magnetic and mechanical energy. Applied Physics Letters, 2008, 93, .	1.5	161
132	Thermal noise cancellation in symmetric magnetoelectric bimorph laminates. Applied Physics Letters, 2008, 93, 072906.	1.5	38
133	Multiferroic magnetoelectric composites: Historical perspective, status, and future directions. Journal of Applied Physics, 2008, 103, .	1.1	3,224
134	High power density magnetoelectric energy harvester. , 2008, , .		3
135	A piezoelectric single crystal traveling wave step motor for low-temperature application. Applied Physics Letters, 2008, 92, .	1.5	40
136	Giant magnetoelectric effect (under a dc magnetic bias of 2Oe) in laminate composites of FeBSiC alloy ribbons and Pb(Zn1âˆ•3,Nb2âˆ•3)O3â€“7%PbTiO3 fibers. Applied Physics Letters, 2007, 91, 022915.	1.5	84
137	Geomagnetic sensor based on giant magnetoelectric effect. Applied Physics Letters, 2007, 91, .	1.5	83
138	Analytical solutions for the transverse deflection of a piezoelectric circular axisymmetric unimorph actuator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1240-1249.	1.7	36
139	Recent advancements in magnetoelectric particulate and laminate composites. Journal of Electroceramics, 2007, 19, 149-166.	0.8	206
140	A quasi(unidirectional) Tellegen gyrator. Journal of Applied Physics, 2006, 100, 124509.	1.1	67
141	Magnetoelectric gyration effect in Tb1âˆ’xDyxFe2âˆ’yâˆ•Pb(Zr,Ti)O3 laminated composites at the electromechanical resonance. Applied Physics Letters, 2006, 89, 243512.	1.5	84
142	Detection of pico-Tesla magnetic fields using magneto-electric sensors at room temperature. Applied Physics Letters, 2006, 88, 062510.	1.5	332
143	Small dc magnetic field response of magnetoelectric laminate composites. Applied Physics Letters, 2006, 88, 082907.	1.5	147
144	Near-ideal magnetoelectricity in high-permeability magnetostrictive/piezofiber laminates with a (2-1) connectivity. Applied Physics Letters, 2006, 89, 252904.	1.5	342

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145	Magnetoelectric coupling, efficiency, and voltage gain effect in piezoelectric-piezomagnetic laminate composites. Journal of Materials Science, 2006, 41, 97-106.	1.7	84
146	Giant magnetoelectric effect in Metglas/polyvinylidene-fluoride laminates. Applied Physics Letters, 2006, 89, 083507.	1.5	233
147	Push-pull mode magnetostrictive/piezoelectric laminate composite with an enhanced magnetoelectric voltage coefficient. Applied Physics Letters, 2005, 87, 062502.	1.5	195
148	Extremely low frequency response of magnetoelectric multilayer composites. Applied Physics Letters, 2005, 86, 102901.	1.5	101
149	Circumferential-mode, quasi-ring-type, magnetoelectric laminate compositeâ€"a highly sensitive electric current andâ•or vortex magnetic field sensor. Applied Physics Letters, 2005, 86, 182506.	1.5	88
150	Magnetoelectric Laminate Composites â€“ Enhanced Magnetic Field Sensitivity, and High Voltage Gain. Materials Research Society Symposia Proceedings, 2005, 881, 1.	0.1	0
151	Vacuum response and gas leak detection in piezoelectrically driven sound-resonance cavity. Applied Physics Letters, 2004, 84, 4144-4146.	1.5	3
152	Voltage gain effect in a ring-type magnetoelectric laminate. Applied Physics Letters, 2004, 84, 4188-4190.	1.5	82
153	A strong magnetoelectric voltage gain effect in magnetostrictive-piezoelectric composite. Applied Physics Letters, 2004, 85, 3534-3536.	1.5	165
154	A longitudinal-longitudinal mode TERFENOL-Dâ•Pb(Mg1â•3Nb2â•3)O3â€“PbTiO3 laminate composite. Applied Physics Letters, 2004, 85, 5305-5306.	1.5	102
155	Circumferentially magnetized and circumferentially polarized magnetostrictive/piezoelectric laminated rings. Journal of Applied Physics, 2004, 96, 3382-3387.	1.1	70
156	Characterization of magnetoelectric laminate composites operated in longitudinal-transverse and transverseâ€"transverse modes. Journal of Applied Physics, 2004, 95, 2625-2630.	1.1	152
157	Longitudinal and transverse magnetoelectric voltage coefficients of magnetostrictive/ piezoelectric laminate composite: experiments. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 794-799.	1.7	83
158	Piezoelectric ultrasonic micromotor with 1.5 mm diameter. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 361-367.	1.7	122
159	Longitudinal and transverse magnetoelectric voltage coefficients of magnetostrictive/piezoelectric laminate composite: theory. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1253-1261.	1.7	287
160	Ultrahigh magnetic field sensitivity in laminates of TERFENOL-D and Pb(Mg1/3Nb2/3)O3â€“PbTiO3 crystals. Applied Physics Letters, 2003, 83, 2265-2267.	1.5	279
161	Enhanced magnetoelectric effects in laminate composites of Terfenol-D/Pb(Zr,Ti)O3 under resonant drive. Applied Physics Letters, 2003, 83, 4812-4814.	1.5	319
162	A piezoelectric-sound-resonance cavity for hydrogen gas detection. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1105-1113.	1.7	10

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163	Resonance acoustic field position sensor. Applied Physics Letters, 2003, 82, 4181-4183.	1.5	4
164	Sound-resonance hydrogen sensor. Applied Physics Letters, 2003, 82, 4590-4592.	1.5	24
165	Giant magnetoelectric effect in laminate composites. Philosophical Magazine Letters, 2003, 83, 769-773.	0.5	36
166	An acoustic position sensor. Review of Scientific Instruments, 2003, 74, 4863-4868.	0.6	4
167	Novel method for driving the ultrasonic motor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 1356-1362.	1.7	18
168	Piezoelectric Ring-Morph Actuators for Valve Application. , 2002, 8, 155-161.		44
169	Study on standing wave ultrasonic motor with L-B mode. Ferroelectrics, 1997, 195, 159-162.	0.3	0
170	Study on piezoelectric ceramic/metal composite thin plate of driving stator for travelling-wave motor. , 0, , .		0
171	Study on characteristics of standing wave motors. , 0, , .		0