Kenji Uchino

List of Publications by Year
in descending order

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310 papers	18,725 citations	23500 58 h-index	18075 120 g-index
330 all docs	330 docs citations	330 times ranked	7674 citing authors

#	Article	IF	Citations
1	Fundamentals of Piezoelectrics. , 2022, , 1-21.		1
2	Piezoelectric Devices for Sustainability Technologies. , 2022, , .		0
3	Magnetoelectric composite materials. , 2021, , 351-390.		0
4	Depolarization field effect on elasticity of unpoled piezoelectric ceramics. Applied Materials Today, 2021, 23, 101020.	2.3	2
5	Determination of anisotropic intensive piezoelectric loss in polycrystalline ceramics. Ceramics International, 2021, 47, 16309-16315.	2.3	2
6	Partial electrode method for loss and physical parameter determination of piezoceramics: Simplification, error investigation and applicability. Journal of the European Ceramic Society, 2021, 41, 5900-5908.	2.8	3
7	Piezoelectric Energy Harvesting: A Systematic Review of Reviews. Actuators, 2021, 10, 312.	1.2	12
8	Electromechanical Equivalent Circuit Model of a Piezoelectric Disk Considering Three Internal Losses. IEEE Access, 2020, 8, 181848-181854.	2.6	6
9	Electrothermal Phenomena in Ferroelectrics. Actuators, 2020, 9, 93.	1.2	8
10	Improvement of the standard characterization method on k33 mode piezoelectric specimens. Sensors and Actuators A: Physical, 2020, 312, 112124.	2.0	11
11	Analytical modeling of k33 mode partial electrode configuration for loss characterization. Journal of Applied Physics, 2020, 127, .	1.1	6
12	DC bias electric field and stress dependence of piezoelectric parameters in lead zirconate titanate ceramics â€“ Phenomenological approach. Ceramics International, 2020, 46, 15572-15580.	2.3	8
13	High power piezoelectric characterization system (HiPoCSâ„¢). Ferroelectrics, 2020, 569, 21-49.	0.3	3
14	Thermal Conductivities of PZT Piezoelectric Ceramics under Different Electrical Boundary Conditions. Insight - Material Science, 2020, 3, 10.	0.2	2
15	Compressive stress effect on the loss mechanism in a soft piezoelectric Pb(Zr,Ti)O3. Review of Scientific Instruments, 2019, 90, 075001.	0.6	11
16	Introduction to piezoelectric actuators: research misconceptions and rectifications. Japanese Journal of Applied Physics, 2019, 58, SG0803.	0.8	17
17	Improvement of electromechanical coupling coefficient in shear-mode of piezoelectric ceramics. Ceramics International, 2019, 45, 1496-1502.	2.3	14
18	Development of a compact ring type MDOF piezoelectric ultrasonic motor for humanoid eyeball orientation system. Sensors and Actuators A: Physical, 2018, 272, 1-10.	2.0	36

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19	Improving highâ€power properties of <scp>PZT</scp> ceramics by external <scp>DC</scp> bias field. Journal of the American Ceramic Society, 2018, 101, 3044-3053.	1.9	9
20	Piezoelectric Energy Harvesting Systemsâ€"Essentials to Successful Developments. Energy Technology, 2018, 6, 829-848.	1.8	81
21	7.21 Piezoelectric Composite Sensors. , 2018, , 408-419.		0
22	Polarization orientation dependence of piezoelectric losses in soft lead Zirconate-Titanate ceramics. Journal of Electroceramics, 2018, 40, 16-22.	0.8	7
23	New methodology for determining the dielectric constant of a piezoelectric material at the resonance frequency range. Journal of the American Ceramic Society, 2018, 101, 1940-1948.	1.9	8
24	3.24 Piezoelectro Composites. , 2018, , 613-624.		3
25	Piezoelectric energy harvesting systems with metal oxides. , 2018, , 91-126.		7
26	7.18 Smart Composite Materials Systems. , 2018, , 358-363.		3
27	A new equivalent circuit for piezoelectrics with three losses and external loads. Sensors and Actuators A: Physical, 2017, 256, 77-83.	2.0	21
28	Driving an inductive piezoelectric transducer with class E inverter. Sensors and Actuators A: Physical, 2017, 261, 219-227.	2.0	28
29	Manufacturing Methods for Piezoelectric Ceramic Materials. , 2017, , 385-421.		6
30	Low temperature co-fired multilayer piezoelectric transformers for high power applications. Materials and Design, 2017, 132, 512-517.	3.3	16
31	Crystallographic approach to obtain intensive elastic parameters of ƙ33 mode piezoelectric ceramics. Journal of the European Ceramic Society, 2017, 37, 5109-5112.	2.8	6
32	Characterization of piezoelectric ceramics using the burst/transient method with resonance and antiresonance analysis. Journal of the American Ceramic Society, 2017, 100, 998-1010.	1.9	18
33	The Development of Piezoelectric Materials and the New Perspective. , 2017, , 1-92.		38
34	Piezoelectric Composite Materials. , 2017, , 353-382.		6
35	Manufacturing Technologies for Piezoelectric Transducers. , 2017, , 615-644.		1
36	High-Power Piezoelectrics and Loss Mechanisms. , 2017, , 647-754.		10

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37	Photostrictive Actuators Based on Piezoelectrics. , 2017, , 755-785.		3
38	Piezoelectric Ultrasonic Motors. , 2016, , .		3
39	Antiferroelectric Shape Memory Ceramics. Actuators, 2016, 5, 11.	1.2	27
40	Single-phase driven ultrasonic motor using two orthogonal bending modes of sandwiching piezo-ceramic plates. Review of Scientific Instruments, 2016, 87, 115004.	0.6	26
41	Advanced methodology for measuring the extensive elastic compliance and mechanical loss directly in k31 mode piezoelectric ceramic plates. Journal of Applied Physics, 2016, 120, .	1.1	14
42	Driving frequency optimization of a piezoelectric transducer and the power supply development. Review of Scientific Instruments, 2016, 87, 105003.	0.6	26
43	Resonant-type inertial impact motor with rectangular pulse drive. Sensors and Actuators A: Physical, 2016, 248, 29-37.	2.0	21
44	Investigating the frequency spectrum of mechanical quality factor for piezoelectric materials based on phenomenological model. Japanese Journal of Applied Physics, 2015, 54, 101501.	0.8	13
45	Piezoelectric actuator renaissance. Phase Transitions, 2015, 88, 342-355.	0.6	21
46	Losses in piezoelectrics derived from a new equivalent circuit. Journal of Electroceramics, 2015, 35, 1-10.	0.8	19
47	Glory of piezoelectric perovskites. Science and Technology of Advanced Materials, 2015, 16, 046001.	2.8	86
48	PT03. Piezoelectric actuator renaissance. , 2015, , .		0
49	Evaluation of the mechanical quality factor under high power conditions in piezoelectric ceramics from electrical power. Journal of the European Ceramic Society, 2015, 35, 541-544.	2.8	33
50	Methodology for Characterizing Loss Factors of Piezoelectric Ceramics. Ferroelectrics, 2014, 470, 260-271.	0.3	19
51	Piezoelectric Actuator Renaissance. Energy Harvesting and Systems, 2014, 1, 45-56.	1.7	16
52	Single Source Hybrid Drive for Multi-Functional Ultrasonic Motor. Integrated Ferroelectrics, 2014, 158, 131-145.	0.3	2
53	High Power Performance of Manganeseâ€Doped <scp>BNT</scp>â€Based Pbâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 3192-3196.	1.9	49
54	Characterization of Mechanical Loss in Piezoelectric Materials Using Temperature and Vibration Measurements. Journal of the American Ceramic Society, 2014, 97, 2810-2814.	1.9	25

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55	Thermal diffusivity measurements using insulating and isothermal boundary conditions. Review of Scientific Instruments, 2014, 85, 015117.	0.6	4
56	High power characterization of (Na0.5K0.5)NbO3 based lead-free piezoelectric ceramics. Sensors and Actuators A: Physical, 2013, 200, 44-46.	2.0	17
57	Loss integration in ATILA software. , 2013, , 45-65.		0
58	Overview of the ATILA finite element method (FEM) software code. , 2013, , 3-25e.		0
59	Piezoelectric ceramics for transducers. , 2012, , 70-116.		18
60	Applications of Lead-Free Piezoelectrics. , 2012, , 511-528.		6
61	Analysis of longitudinal and torsional resonance vibrations of a piezoelectrically excited bar by introducing piezoelectric loss coefficients. Journal of Intelligent Material Systems and Structures, 2012, 23, 453-462.	1.4	5
62	Mn dopant on the â€œdomain stabilizationâ€•effect of aged BaTiO3 and PbTiO3-based piezoelectrics. Applied Physics Letters, 2012, 101, .	1.5	41
63	High Power Characteristics of Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2012, 95, 3383-3386.	1.9	63
64	Photostrictive Microactuators. , 2012, , 153-175.		1
65	Effects of PZT particle-enhanced ply interfaces on the vibration damping behavior of CFRP composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1477-1482.	3.8	19
66	Loss Factor Characterization Methodology for Piezoelectric Ceramics. IOP Conference Series: Materials Science and Engineering, 2011, 18, 092027.	0.3	4
67	Design of Translation Rotary Ultrasonic Motor with Slanted Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2011, 50, 027301.	0.8	17
68	LOSS DETERMINATION METHODOLOGY FOR A PIEZOELECTRIC CERAMIC: NEW PHENOMENOLOGICAL THEORY AND EXPERIMENTAL PROPOSALS. Journal of Advanced Dielectrics, 2011, 01, 17-31.	1.5	95
69	High Power (Na_{0.5}K_{0.5})NbO₃-Based Lead-Free Piezoelectric Transformer. Japanese Journal of Applied Physics, 2011, 50, 027101.	0.8	18
70	High Power (Na0.5K0.5)NbO3-Based Lead-Free Piezoelectric Transformer. Japanese Journal of Applied Physics, 2011, 50, 027101.	0.8	6
71	Design of Translation Rotary Ultrasonic Motor with Slanted Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2011, 50, 027301.	0.8	16
72	Design of thin cross type ultrasonic motor. Journal of Electroceramics, 2010, 24, 288-293.	0.8	14

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73	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.	1.9	18
74	Photostrictive actuators using piezoelectric materials. , 2010, , 599-627.		2
75	Multilayer technologies for piezo-ceramic materials. , 2010, , 387-411.		2
76	Manufacturing technologies for piezoelectric transducers. , 2010, , 539-557.		0
77	High power piezoelectric materials. , 2010, , 561-598.		4
78	Piezoelectric composite materials. , 2010, , 318-346.		3
79	Active Optical Fiber Alignment with a Piezoelectric Ultrasonic Motor Integrated Into Low Temperature Cofired Ceramics. Journal of Intelligent Material Systems and Structures, 2010, 21, 469-479.	1.4	9
80	Relaxor ferroelectric-based ceramics. , 2010, , 111-129.		1
81	Manufacturing methods for piezoelectric ceramic materials. , 2010, , 349-386.		3
82	Energy Flow Analysis in Piezoelectric Energy Harvesting Systems. Ferroelectrics, 2010, 400, 305-320.	0.3	47
83	Comparison of Power Density Characteristics among Disk and Plate Shaped Piezoelectric Devices. Japanese Journal of Applied Physics, 2010, 49, 021502.	0.8	10
84	Analysis on Loss Anisotropy of Piezoelectrics with â^ž mm Crystal Symmetry. Japanese Journal of Applied Physics, 2010, 49, 021503.	0.8	21
85	Piezoelectric Pump Using a Cymbal Transducer. Japanese Journal of Applied Physics, 2010, 49, 095201.	0.8	0
86	Piezoelectric Loss Performance in Pb(Mg_{1/3}Nb_{2/3})O₃â€“PbTiO₃ Single Crystals. Japanese Journal of Applied Physics, 2010, 49, 071502.	0.8	11
87	The development of piezoelectric materials and the new perspective. , 2010, , 1-85.		20
88	Advanced piezoelectric materials. , 2010, , .		80
89	Meso-Scale Piezoelectric Gripper with High Dexterity. Japanese Journal of Applied Physics, 2009, 48, 044501.	0.8	3
90	Derivation of Piezoelectric Losses from Admittance Spectra. Japanese Journal of Applied Physics, 2009, 48, 041401.	0.8	48

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91	Development of a High Power Piezoelectric Characterization System and Its Application for Resonance/Antiresonance Mode Characterization. Japanese Journal of Applied Physics, 2009, 48, 056509.	0.8	70
92	Motional characteristics of thin piezoelectric rotary motor using cross shaped stator. Journal of Electroceramics, 2009, 23, 317-321.	0.8	7
93	High Power Piezoelectric Transformers with Pb(Mg_{1/3}Nb_{2/3})O₃â€“PbTiO₃Single Crystals. Applied Physics Express, 2009, 2, 121402.	1.1	16
94	Piezoelectric actuators 2006. Journal of Electroceramics, 2008, 20, 301-311.	0.8	144
95	Piezoelectric properties of low temperature sintering in Pb(Zr,Ti)O3â€“Pb(Zn,Ni)1/3Nb2/3O3 ceramics for piezoelectric transformer applications. Ceramics International, 2008, 34, 705-708.	2.3	19
96	Loss mechanisms and high-power piezoelectric components. , 2008, , 475-502.		1
97	Delta-Shaped Piezoelectric Ultrasonic Motor for Two-Dimensional Positioning. Japanese Journal of Applied Physics, 2008, 47, 313.	0.8	11
98	Piezoelectric Motors and Transformers. Springer Series in Materials Science, 2008, , 257-277.	0.4	11
99	Piezoelectric and Electrostrictive Ceramics Transducers and Actuators. , 2008, , .		2
100	Domain wall release in â€œhardâ€•piezoelectric under continuous large amplitude ac excitation. Journal of Applied Physics, 2007, 101, 114110.	1.1	25
101	Effects of thermal and electrical histories on hard piezoelectrics: A comparison of internal dipolar fields and external dc bias. Journal of Applied Physics, 2007, 101, 054109.	1.1	32
102	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
103	Consideration of Impedance Matching Techniques for Efficient Piezoelectric Energy Harvesting. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1851-1859.	1.7	152
104	Structural variation and piezoelectric properties of 0.95(Na0.5K0.5)NbO3â€“0.05BaTiO3 ceramics. Sensors and Actuators A: Physical, 2007, 136, 255-260.	2.0	51
105	Microstructure and Piezoelectric Properties of (1?x)(Na0.5K0.5)NbO3?xLiNbO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1812-1816.	1.9	101
106	Microstructure and Piezoelectric Properties of 0.95(Na0.5K0.5)NbO3?0.05SrTiO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1946-1949.	1.9	66
107	Errata - High power universal piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 810-816.	1.7	16
108	Modeling of Piezoelectric Energy Harvesting Using Cymbal Transducers. Japanese Journal of Applied Physics, 2006, 45, 5836-5840.	0.8	86

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109	Effect of ZnO and CuO on the Sintering Temperature and Piezoelectric Properties of a Hard Piezoelectric Ceramic. Journal of the American Ceramic Society, 2006, 89, 921-925.	1.9	92
110	Loss mechanisms and high power piezoelectrics. Journal of Materials Science, 2006, 41, 217-228.	1.7	114
111	Piezoelectric Properties of Sb-, Li-, and Mn-substituted Pb(ZrxTi1-x)O3â€“Pb(Zn1/3Nb2/3)O3â€“Pb(Ni1/3Nb2/3)O3Ceramics for High-Power Applications. Japanese Journal of Applied Physics, 2006, 45, 2667-2673.	0.8	12
112	Time Dependence of the Mechanical Quality Factor in â€œHardâ€•Lead Zirconate Titanate Ceramics: Development of an Internal Dipolar Field and High Power Origin. Japanese Journal of Applied Physics, 2006, 45, 9119-9124.	0.8	36
113	Microstructure and piezoelectric properties of 0.95(Na0.5K0.5)NbO3â€“0.05BaTiO3 ceramics. Applied Physics Letters, 2006, 89, 062906.	1.5	230
114	Loss mechanisms and high power piezoelectrics. , 2006, , 217-228.		9
115	Errata - High power universal piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 810-816.	1.7	1
116	Piezoelectric Energy Harvesting under High Pre-Stressed Cyclic Vibrations. Journal of Electroceramics, 2005, 15, 27-34.	0.8	173
117	Low Temperature Sintering and Piezoelectric Properties in Pb(ZrxTi1-x)O3â€“Pb(Zn1/3Nb2/3)O3â€“Pb(Ni1/3Nb2/3)O3Ceramics. Japanese Journal of Applied Physics, 2005, 44, 1314-1321.	0.8	33
118	Effect of MnO2on the Piezoelectric Properties of (1-x)(Na0.5K0.5)NbO3-xBaTiO3Ceramics. Japanese Journal of Applied Physics, 2005, 44, L1361-L1364.	0.8	95
119	Hybrid electrooptic and piezoelectric laser beam steering in two dimensions. Journal of Lightwave Technology, 2005, 23, 2772-2777.	2.7	4
120	Effects of CuO and ZnO Additives on Sintering Temperature and Piezoelectric Properties of 0.41Pb(Ni1/3Nb2/3)O3â€“0.36PbTiO3â€“0.23PbZrO3Ceramics. Japanese Journal of Applied Physics, 2004, 43, 205-210.	0.8	45
121	Multilayered Unipoled Piezoelectric Transformers. Japanese Journal of Applied Physics, 2004, 43, 3503-3510.	0.8	47
122	A Piezoelectric Micromotor with a Stator of Ï†=1.6 mm andl=4 mm Using Bulk PZT. Japanese Journal of Applied Physics, 2004, 43, 1429-1433.	0.8	37
123	Micro Piezoelectric Ultrasonic Motors. Journal of Electroceramics, 2004, 13, 393-401.	0.8	109
124	An accurate method for the determination of complex coefficients of single crystal piezoelectric resonators II: Design of measurement and experiments. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 238-248.	1.7	19
125	An accurate method for the determination of complex coefficients of single crystal piezoelectric resonators I: Theory. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 227-237.	1.7	7
126	Energy Harvesting Using a Piezoelectric â€œCymbalâ€•Transducer in Dynamic Environment. Japanese Journal of Applied Physics, 2004, 43, 6178-6183.	0.8	308

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127	Flexural traveling wave excitation based on shear-shear mode. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1240-1246.	1.7	17
128	Piezoelectric Transformers For A High Power Module. Materials Technology, 2004, 19, 79-83.	1.5	7
129	Development Of High Power Piezoelectrics With Enhanced Vibrational Velocity. Materials Technology, 2004, 19, 90-98.	1.5	6
130	Low Temperature Coefficient of Resonance Frequency Composition in the System Pb(Zr,Ti)O₃â€”Pb(Mn_{1/3} Nb_{2/3})O₃. Journal of the American Ceramic Society, 2004, 87, 1907-1911.	1.9	27
131	An Accurate Method for the Determination of Complex Coe.cients of Single Crystal Piezoelectric Resonators I: Theory. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 227-237.	1.7	0
132	Integration of a piezoelectric transformer and an ultrasonic motor. Ultrasonics, 2003, 41, 83-87.	2.1	30
133	Piezoelectric ultrasonic micromotor with 1.5 mm diameter. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 361-367.	1.7	122
134	A 1.6-mm, metal tube ultrasonic motor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 782-786.	1.7	111
135	Accurate determination of complex materials coefficients of piezoelectric resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 312-320.	1.7	58
136	4.1 Piezoelectric Ceramics. , 2003, , 107-159.		5
137	Induction of combinatory characteristics by relaxor modification of Pb(Zr0.5Ti0.5)O3. Applied Physics Letters, 2003, 83, 5020-5022.	1.5	33
138	High-Tm relaxor ferroelectrics: 0.3BiScO3â€“0.6PbTiO3â€“0.1Pb(Mn1/3Nb2/3)O3. Applied Physics Letters, 2003, 82, 251-253.	1.5	28
139	Novel High Power Piezoelectrics for Transformers and Actuators. Materials Research Society Symposia Proceedings, 2003, 785, 161.	0.1	0
140	Effect of Yb Addition on the Sintering Behavior and High Power Piezoelectric Properties of Pb(Zr,Ti)O3â€“Pb(Mn,Nb)O3. Japanese Journal of Applied Physics, 2003, 42, 1307-1310.	0.8	34
141	Estimation of Polarocaloric Contribution to Dielectric Loss in Oriented 0.92Pb(Zn1/3Nb2/3)O3â€“0.08PbTiO3Single Crystals. Japanese Journal of Applied Physics, 2003, 42, 5158-5164.	0.8	9
142	Design of a Circular Piezoelectric Transformer with Crescent-Shaped Input Electrodes. Japanese Journal of Applied Physics, 2003, 42, 509-514.	0.8	22
143	Finite element modeling and optimization of tube-shaped ultrasonic motors. , 2003, , .		2
144	Effects of rare earth metal substituents on the piezoelectric and polarization properties of Pb(Zr,Ti)O3â€“Pb(Sb,Mn)O3 ceramics. Journal of Applied Physics, 2002, 92, 2094-2099.	1.1	54

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145	Investigation of Electromechanical Properties of 0.68 Pb(Mg 1/3 Nb 2/3)O 3 -0.32 PbTiO 3 Single Crystals under Uniaxial and Hydrostatic Pressures. Ferroelectrics, 2002, 274, 299-307.	0.3	7
146	High Power Piezoelectric Characteristics of BiScO3â€“PbTiO3â€“Pb(Mn1/3Nb2/3)O3. Japanese Journal of Applied Physics, 2002, 41, 6040-6044.	0.8	39
147	Mechanical Aging Behavior of Pb(Zn 1/3 Nb 2/3)O 3 -PbTiO 3 and Pb(Mg 1/3 Nb 2/3)O 3 -PbTiO 3 Single Crystals. Integrated Ferroelectrics, 2002, 50, 135-142.	0.3	1
148	Characteristics of the First Longitudinal-Fourth Bending Mode Linear Ultrasonic Motors. Japanese Journal of Applied Physics, 2002, 41, 7139-7143.	0.8	43
149	Unipoled Disk-type Piezoelectric Transformers. Japanese Journal of Applied Physics, 2002, 41, 1446-1450.	0.8	63
150	A`Center-Wobbling' Ultrasonic Rotary Motor Using a Metal Tube-Piezoelectric Plate Composite Stator. Journal of Intelligent Material Systems and Structures, 2002, 13, 749-755.	1.4	25
151	<title>Application of the genetic optimizaton method to the design of ultrasonic motors</title>. , 2002, 4693, 547.		0
152	A piezoelectric motor using two orthogonal bending modes of a hollow cylinder. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 495-500.	1.7	140
153	Novel method for driving the ultrasonic motor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2002, 49, 1356-1362.	1.7	18
154	Modeling of fatigue behavior in relaxor piezocrystals: Improved characteristics by Mn substitution. Journal of Applied Physics, 2002, 92, 3923-3927.	1.1	20
155	Fe-substituted 0.92Pb(Zn1/3Nb2/3)O3â€“0.08PbTiO3 single crystals: A â€œhardâ€•piezocrystal. Applied Physics Letters, 2002, 81, 2430-2432.	1.5	44
156	Importance of structural irregularity on dielectric loss in (1â^'x)Pb(Mg1/3Nb2/3)O3â^'(x)PbTiO3 crystals. Applied Physics Letters, 2002, 80, 4217-4219.	1.5	43
157	Dielectric and piezoelectric properties of the Mn-substituted Pb(Zn1/3Nb2/3)O3â€“PbTiO3 single crystal. Journal of Applied Physics, 2002, 91, 4515-4520.	1.1	59
158	Fractal cluster modeling of the fatigue behavior of lead zirconate titanate. Applied Physics Letters, 2002, 80, 1625-1627.	1.5	11
159	Investigation of the Ferroelectric Orthorhombic Phase in the Pb(Zn 1/3 Nb 2/3)O 3 -PbTiO 3 System. Ferroelectrics, 2002, 274, 121-126.	0.3	22
160	Piezoelectric Ring-Morph Actuators for Valve Application. , 2002, 8, 155-161.		44
161	Magnetoelectric Effect in Composites of Magnetostrictive and Piezoelectric Materials. , 2002, 8, 107-119.		628
162	Design and driving characteristics of ultrasonic linear motor. Ferroelectrics, 2001, 263, 113-118.	0.3	7

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163	Dielectric spectroscopy of Pb(Mg1/3Nb2/3)O3-PbTiO3 single crystals. Journal of Applied Physics, 2001, 90, 3504-3508.	1.1	115
164	Mechanical aging behavior of oriented Pb(Mg1/3Nb2/3)O3â€“PbTiO3 and Pb(Zn1/3Nb2/3)O3â€“PbTiO3 single crystals. Applied Physics Letters, 2001, 79, 2624-2626.	1.5	24
165	High-power resonant measurements of piezoelectric materials: Importance of elastic nonlinearities. Journal of Applied Physics, 2001, 90, 1469-1479.	1.1	73
166	Longitudinal-bending mode micromotor using multilayer piezoelectric actuator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 1066-1071.	1.7	22
167	Eu and Yb Substituent Effects on the Properties of Pb(Zr0.52Ti0.48)O3â€“Pb(Mn1/3Sb2/3)O3Ceramics: Development of a New High-Power Piezoelectric with Enhanced Vibrational Velocity. Japanese Journal of Applied Physics, 2001, 40, 687-693.	0.8	75
168	Crystal Growth and Piezoelectric Properties of Mn-Substituted Pb(Zn1/3Nb2/3)O3 Single Crystal. Japanese Journal of Applied Physics, 2001, 40, L1044-L1047.	0.8	27
169	Substituent effects on the mechanical quality factor of Pb(Mg1/3Nb2/3)O3â€“PbTiO3 and Pb(Sc1/2Nb1/2)O3â€“PbTiO3 ceramics. Journal of Applied Physics, 2001, 90, 1455-1458.	1.1	37
170	Photostrictive actuators. Ferroelectrics, 2001, 264, 303-308.	0.3	10
171	Compact ultrasonic rotary motors. Ferroelectrics, 2001, 257, 3-12.	0.3	4
172	Magnetoelectric Properties in Piezoelectric and Magnetostrictive Laminate Composites. Japanese Journal of Applied Physics, 2001, 40, 4948-4951.	0.8	596
173	Piezoelectric transformers. Ferroelectrics, 2001, 263, 91-100.	0.3	16
174	Nanocomposite PLZT Ceramic Materials in Comparison with Other Processing Technique for Photostrictive Application.. Journal of the Ceramic Society of Japan, 2001, 109, 493-499.	1.3	6
175	Photostrictive actuators -new perspective-. Ferroelectrics, 2001, 258, 147-158.	0.3	19
176	Electrostricitive P(VDF-TrFE) copolymer-based high-performance micromachined unimorph actuators. , 2001, , .		2
177	Analysis on a composite cantilever beam coupling a piezoelectric bimorph to an elastic blade. Sensors and Actuators A: Physical, 2001, 89, 215-221.	2.0	37
178	Title is missing!. , 2001, 7, 197-210.		25
179	Title is missing!. , 2001, 6, 13-19.		32
180	Switching Current Measurements in Pb(Zn1/3 Nb2/3)O3-PbTiO3 Relaxor Ferroelectric Single Crystals. , 2001, 6, 109-114.		6

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181	Title is missing!. , 2001, 7, 17-24.		300
182	Loss mechanisms in piezoelectrics: how to measure different losses separately. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 307-321.	1.7	248
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