Jia-shi Yang

List of Publications by Year
in descending order

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340	6,297	94381	138417
papers	citations	37 h-index	58 g-index

349	349	349	1744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction between torsional deformation and mobile charges in a composite rod of piezoelectric dielectrics and nonpiezoelectric semiconductors. Mechanics of Advanced Materials and Structures, 2022, 29, 1449-1455.	1.5	14
2	Electromechanical fields in PN junctions with continuously graded doping in piezoelectric semiconductor rods. Archive of Applied Mechanics, 2022, 92, 325-333.	1.2	8
3	Effects of Semiconduction on Thickness-Extensional Modes of Piezoelectric Resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 911-912.	1.7	3
4	Bending of a Flexoelectric Semiconductor Plate. Acta Mechanica Solida Sinica, 2022, 35, 434-445.	1.0	8
5	Temperature-induced potential barriers in piezoelectric semiconductor films through pyroelectric and thermoelastic couplings and their effects on currents. Journal of Applied Physics, 2022, 131, .	1.1	8
6	Stress effects on electric currents in antiplane problems of piezoelectric semiconductors over a rectangular domain. Acta Mechanica, 2022, 233, 1173-1185.	1.1	4
7	Effects of mobile charges on interface thermal stresses in a piezoelectric semiconductor composite rod. Archive of Applied Mechanics, 2022, 92, 1633-1641.	1.2	3
8	Torsion of a piezoelectric semiconductor rod of cubic crystals with consideration of warping and in-plane shear of its rectangular cross section. Mechanics of Materials, 2022, 172, 104407.	1.7	11
9	Flexoelectric effects in second-order extension of rods. Mechanics Research Communications, 2021, 111, 103625.	1.0	12
10	Frequency perturbation integral for FBAR mass sensors and frequency shifts due to nonuniform mass layers. Applied Acoustics, 2021, 172, 107592.	1.7	0
11	First Report of Bipolaris cactivora Causing Flower Rot of Pitaya (Hylocereus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.7	2
12	Torsion of a flexoelectric semiconductor rod with a rectangular cross section. Archive of Applied Mechanics, 2021, 91, 2027-2038.	1.2	28
13	Magnetically induced charge redistribution in the bending of a composite beam with flexoelectric semiconductor and piezomagnetic dielectric layers. Journal of Applied Physics, 2021, 129, .	1.1	32
14	Magnetically induced redistribution of mobile charges in bending of composite beams with piezoelectric semiconductor and piezomagnetic layers. Archive of Applied Mechanics, 2021, 91, 2949-2956.	1.2	12
15	Buckling of flexoelectric semiconductor beams. Acta Mechanica, 2021, 232, 2623-2633.	1.1	15
16	Effects of surface impedance on current density in a piezoelectric resonator for impedance distribution sensing. Applied Mathematics and Mechanics (English Edition), 2021, 42, 677-688.	1.9	2
17	An Analysis of Piezomagnetic-Piezoelectric Semiconductor Unimorphs in Coupled Bending and Extension under a Transverse Magnetic Field. Acta Mechanica Solida Sinica, 2021, 34, 743-753.	1.0	8
18	On the Capacitance of Piezoelectric Metalâ€“Insulatorâ€“Semiconductor Junctions. Ferroelectrics, Letters Section, 2021, 48, 1-12.	0.4	0

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19	Stress-induced electric potential barriers in thickness-stretch deformations of a piezoelectric semiconductor plate. Acta Mechanica, 2021, 232, 4533-4543.	1.1	16
20	Effects of edge and interior stresses on electrical behaviors of piezoelectric semiconductor films. Ferroelectrics, 2021, 571, 96-108.	0.3	8
21	Stress induced potential barriers in composite piezoelectric semiconductor fibers in extension. Ferroelectrics, Letters Section, 2021, 48, 72-82.	0.4	6
22	Enhancement of Energy Conversion Efficiency via Interfacial Carrier Diffusion in Microscale Segmented Thermoelectric Materials. ACS Applied Electronic Materials, 2021, 3, 5548-5554.	2.0	1
23	Flexural vibration of a lithium niobate piezoelectric plate with a ferroelectric inversion layer. Mechanics of Advanced Materials and Structures, 2020, 27, 831-839.	1.5	6
24	Thermally Induced Electromechanical Fields in Unimorphs of Piezoelectric Dielectrics and Nonpiezoelectric Semiconductors. Integrated Ferroelectrics, 2020, 211, 117-131.	0.3	5
25	Magnetically Induced Carrier Distribution in a Composite Rod of Piezoelectric Semiconductors and Piezomagnetics. Materials, 2020, 13, 3115.	1.3	19
26	Mechanical Manipulation of Electrical Behaviors of Piezoelectric Semiconductor Nanofibers by Time-Dependent Stresses. Acta Mechanica Solida Sinica, 2020, 33, 579-585.	1.0	9
27	A second-order theory for lithium niobate piezoelectric plates with a ferroelectric inversion layer in coupled extensional, thickness-stretch and symmetric thickness-shear motions. Acta Mechanica, 2020, 231, 5239-5250.	1.1	2
28	Effects of Magnetic Fields on PN Junctions in Piezomagneticâ€“Piezoelectric Semiconductor Composite Fibers. International Journal of Applied Mechanics, 2020, 12, 2050085.	1.3	19
29	Electrical Response of a Multiferroic Composite Semiconductor Fiber Under a Local Magnetic Field. Acta Mechanica Solida Sinica, 2020, 33, 663-673.	1.0	21
30	Analysis of Piezoelectric Semiconductor Structures. , 2020, , .		19
31	Coupled compression and bending of piezoelectric semiconductor fibers with imperfection. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2020, 100, e201900324.	0.9	4
32	Temperature Effects on PN Junctions in Piezoelectric Semiconductor Fibers with Thermoelastic and Pyroelectric Couplings. Journal of Electronic Materials, 2020, 49, 3140-3148.	1.0	29
33	PN junctions with coupling to bending deformation in composite piezoelectric semiconductor fibers. International Journal of Mechanical Sciences, 2020, 173, 105421.	3.6	30
34	Effects of mechanical fields on mobile charges in a composite beam of flexoelectric dielectrics and semiconductors. Journal of Applied Physics, 2020, 127, .	1.1	47
35	Composite Structures. , 2020, , 141-176.		0
36	Extension of Rods. , 2020, , 31-88.		0

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37	Transient Bending Vibration of a Piezoelectric Semiconductor Nanofiber Under a Suddenly Applied Shear Force. Acta Mechanica Solida Sinica, 2019, 32, 688-697.	1.0	29
38	I-V characteristics of a piezoelectric semiconductor nanofiber under local tensile/compressive stress. Journal of Applied Physics, 2019, 126, .	1.1	37
39	Transversely varying thickness-extensional modes in thin film bulk acoustic wave piezoelectric filters with interdigital electrodes. Ferroelectrics, Letters Section, 2019, 46, 19-29.	0.4	1
40	Piezopotential in a composite cantilever of piezoelectric dielectrics and nonpiezoelectric semiconductors produced by shear force through e ₁₅. Materials Research Express, 2019, 6, 115917.	0.8	19
41	Electrical behaviors of a piezoelectric semiconductor fiber under a local temperature change. Nano Energy, 2019, 66, 104081.	8.2	51
42	Analysis of Thermoelectric Generators with General Material Property Variations. Journal of Electronic Materials, 2019, 48, 5516-5522.	1.0	11
43	Thermally Induced Carrier Distribution in a Piezoelectric Semiconductor Fiber. Journal of Electronic Materials, 2019, 48, 4939-4946.	1.0	38
44	Analysis of a sandwiched piezoelectric semiconducting thermoelectric structure. Mechanics Research Communications, 2019, 98, 31-36.	1.0	19
45	Stress-induced potential barriers and charge distributions in a piezoelectric semiconductor nanofiber. Applied Mathematics and Mechanics (English Edition), 2019, 40, 591-600.	1.9	29
46	Piezotronic Effect of a Thin Film With Elastic and Piezoelectric Semiconductor Layers Under a Static Flexural Loading. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	1.1	29
47	Temperature Effects on Mobile Charges in Extension of Composite Fibers of Piezoelectric Dielectrics and Non-Piezoelectric Semiconductors. International Journal of Applied Mechanics, 2019, 11, 1950088.	1.3	19
48	On The Effective Polarization Charges In Theextension Of A Piezoelectric Semiconductor Fiber With A Pn Junction. , 2019, , .		1
49	Piezopotential in a Composite Piezoelectric Semiconductor Cantilever Produced by Shear Force. , 2019, , .		0
50	Static buckling of piezoelectric semiconductor fibers. Materials Research Express, 2019, 6, 125919.	0.8	20
51	Transient extensional vibration in a ZnO piezoelectric semiconductor nanofiber under a suddenly applied end force. Materials Research Express, 2019, 6, 025902.	0.8	51
52	Electromechanical Fields Near a Circular PN Junction Between Two Piezoelectric Semiconductors. Acta Mechanica Solida Sinica, 2018, 31, 127-140.	1.0	34
53	Two-dimensional equations for thin-films of ionic conductors. Applied Mathematics and Mechanics (English Edition), 2018, 39, 1071-1088.	1.9	1
54	Frequency dependence of electromagnetic radiation from a finite vibrating piezoelectric body. Mechanics Research Communications, 2018, 93, 163-168.	1.0	10

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55	Electric potential and carrier distribution in a piezoelectric semiconductor nanowire in time-harmonic bending vibration. Nano Energy, 2018, 43, 22-28.	8.2	107
56	A semi-analytical solution for electric double layers near an elliptical cylinder. Acta Mechanica Sinica/Lixue Xuebao, 2018, 34, 62-67.	1.5	2
57	Thin film bulk acoustic wave piezoelectric resonators with circular ring driving electrodes for mass sensing. Integrated Ferroelectrics, 2018, 192, 57-66.	0.3	8
58	Trapped thickness-extensional modes in high overtone thin film bulk acoustic wave piezoelectric resonators. Ferroelectrics, Letters Section, 2018, 45, 38-48.	0.4	3
59	Extension of a piezoelectric semiconductor fiber with consideration of electrical nonlinearity. Acta Mechanica, 2018, 229, 4663-4676.	1.1	20
60	Mechanically, electrically and magnetically imperfect interface conditions via first-order plate theory. Mechanics Research Communications, 2018, 94, 110-113.	1.0	1
61	Piezopotential in a bended composite fiber made of a semiconductive core and of two piezoelectric layers with opposite polarities. Nano Energy, 2018, 54, 341-348.	8.2	61
62	Thin film bulk acoustic wave filters with ring-dot electrodes. Journal of Zhejiang University: Science A, 2018, 19, 786-795.	1.3	3
63	Extensional vibration characteristics and screening of polarization charges in a ZnO piezoelectric semiconductor nanofiber. Journal of Applied Physics, 2018, 124, .	1.1	73
64	Bending of a Cantilever Piezoelectric Semiconductor Fiber Under an End Force. Advanced Structured Materials, 2018, , 261-278.	0.3	27
65	Trapped-Energy Thickness-Extensional Mode of a Partially Electroded ZnO Thin-Film Resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1669-1679.	1.7	8
66	Electromechanical fields in a nonuniform piezoelectric semiconductor rod. Journal of Mechanics of Materials and Structures, 2018, 13, 103-120.	0.4	39
67	Study on the influence of semiconductive property for the improvement of nanogenerator by wave mode approach. Nano Energy, 2018, 52, 474-484.	8.2	36
68	Piezotronic effects in the extension of a composite fiber of piezoelectric dielectrics and nonpiezoelectric semiconductors. Journal of Applied Physics, 2018, 124, .	1.1	79
69	Energy Conversion Efficiency of a Piezo-Thermoelectric Material. Journal of Electronic Materials, 2018, 47, 4533-4538.	1.0	17
70	Linear Theory for Small Fields on a Finite Bias. Advances in Mechanics and Mathematics, 2018, , 193-205.	0.2	0
71	Nonlinear Theory of Electroelasticity. Advances in Mechanics and Mathematics, 2018, , 1-51.	0.2	0
72	Thickness-shear and thickness-twist vibrations of rectangular quartz crystal plates with nonuniform thickness. Mechanics of Advanced Materials and Structures, 2017, 24, 937-942.	1.5	5

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73	Two-dimensional equations for piezoelectric thin-film acoustic wave resonators. International Journal of Solids and Structures, 2017, 110-111, 170-177.	1.3	42
74	Differential derivation of momentum and energy equations in electroelasticity. Acta Mechanica Solida Sinica, 2017, 30, 21-26.	1.0	4
75	An analysis of electric double layers near comb electrodes using the linearized Poisson-Nernst-Planck theory. Journal of Applied Physics, 2017, 121, 044502.	1.1	1
76	Long thickness-extensional waves in thin film bulk acoustic wave filters affected by interdigital electrodes. Ultrasonics, 2017, 75, 226-232.	2.1	8
77	An analysis of the extension of a ZnO piezoelectric semiconductor nanofiber under an axial force. Smart Materials and Structures, 2017, 26, 025030.	1.8	139
78	Effects of aspect ratio on the mode couplings of thin-film bulk acoustic wave resonators. AIP Advances, 2017, 7, 055113.	0.6	15
79	An analysis of PN junctions in piezoelectric semiconductors. Journal of Applied Physics, 2017, 122, .	1.1	82
80	Transient processes in thin film bulk acoustic wave piezoelectric resonators. Ferroelectrics, Letters Section, 2017, 44, 93-100.	0.4	0
81	An analysis of an unbounded thin film bulk acoustic wave piezoelectric resonator with a circular driving electrode. International Journal of Applied Electromagnetics and Mechanics, 2017, 56, 11-19.	0.3	8
82	Propagation of extensional waves in a piezoelectric semiconductor rod. AIP Advances, 2016, 6, .	0.6	42
83	Power delivery to a piezoelectric transducer embedded in an elastic body by acoustic waves. Ferroelectrics, 2016, 504, 189-203.	0.3	2
84	Preparation and Failure Modes of Simulated Transversely Isotropic Rock. , 2016, , .		0
85	Two-dimensional analysis of piezoelectric thin-film acoustic wave resonators. , 2016, , .		0
86	Thickness-shear vibration characteristics of an AT-cut quartz resonator with rectangular ring electrodes. International Journal of Applied Electromagnetics and Mechanics, 2016, 51, 1-10.	0.3	10
87	Shear-horizontal piezoelectric waves in an aluminum nitride film on a silicon substrate. Mechanics of Advanced Materials and Structures, 2016, 23, 764-773.	1.5	1
88	Carrier distribution and electromechanical fields in a free piezoelectric semiconductor rod. Journal of Zhejiang University: Science A, 2016, 17, 37-44.	1.3	31
89	Propagation of shear-horizontal waves in piezoelectric plates of cubic crystals. Archive of Applied Mechanics, 2016, 86, 517-528.	1.2	11
90	Lateral-Field-Excited Electromechanical Resonances in a LiNbO₃Crystal Plate with a Ferroelectric Inversion Layer. Ferroelectrics, 2015, 486, 184-192.	0.3	4

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91	Variational analysis of thickness-shear vibrations of a quartz piezoelectric plate with two pairs of electrodes as an acoustic wave filter. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 951-961.	0.3	10
92	Trapped thickness-shear modes in a contoured, partially electroded AT-cut quartz resonator. EPJ Applied Physics, 2015, 69, 10302.	0.3	7
93	Analysis of thickness-extensional modes in energy-trapped thin film resonators. , 2015, , .		0
94	On the derivation of electric body force, couple and power in an electroelastic body. Acta Mechanica Solida Sinica, 2015, 28, 613-617.	1.0	3
95	Thickness-shear and thickness-twist modes in an AT-cut quartz acoustic wave filter. Ultrasonics, 2015, 58, 1-5.	2.1	12
96	Resonances and energy trapping in AT-cut quartz resonators operating with fast shear modes driven by lateral electric fields produced by surface electrodes. Ultrasonics, 2015, 59, 14-20.	2.1	26
97	Effects of semiconduction on electromechanical energy conversion in piezoelectrics. Smart Materials and Structures, 2015, 24, 025021.	1.8	59
98	Thin-Film Piezoelectric Actuators of Nonuniform Thickness and Nonhomogeneous Material Properties for Modulating Actuation Stress. Mechanics of Advanced Materials and Structures, 2015, 22, 803-812.	1.5	3
99	Thickness-shear Modes and Energy Trapping in a Rectangular Piezoelectric Quartz Resonator with Partial Electrodes. Ferroelectrics, Letters Section, 2015, 42, 10-17.	0.4	3
100	Effects of nonlinearity on transient processes in AT-cut quartz thickness-shear resonators. Acta Mechanica Solida Sinica, 2015, 28, 347-352.	1.0	4
101	Energy trapping of thickness-extensional modes in thin film bulk acoustic wave resonators. Journal of Mechanical Science and Technology, 2015, 29, 2767-2773.	0.7	26
102	An estimate of the second-order in-plane acceleration sensitivity of a Y-cut Quartz thickness-shear resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1421-1428.	1.7	2
103	Analysis of thickness-shear and thickness-twist modes of AT-cut quartz acoustic wave resonator and filter. Applied Mathematics and Mechanics (English Edition), 2015, 36, 1527-1538.	1.9	7
104	Finite element analysis of circular quartz resonators using scalar differential equation and COMSOL. , 2014, , .		0
105	Study of the nonlinear effects on transient process in AT-cut quartz resonators. , 2014, , .		0
106	A Piezoelectric Gyroscope with Self-equilibrated Coriolis Force Based on Overtone Thickness-shear Modes of a Lithium Niobate Plate with an Inversion Layer. IEEE Sensors Journal, 2014, , 1-1.	2.4	6
107	An analysis of z-strip at-cut quartz thickness-shear filters. , 2014, , .		0
108	An analysis of z-strip AT-cut quartz thickness-shear resonators. , 2014, , .		0

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109	On the propagation of long thickness-stretch waves in piezoelectric plates. Ultrasonics, 2014, 54, 1277-1280.	2.1	6
110	Variational formulation of the Stevens-Tiersten equation and application in the analysis of rectangular trapped-energy quartz resonators. Journal of the Acoustical Society of America, 2014, 135, 175-181.	0.5	16
111	Two-dimensional equations for high-frequency extensional vibrations of piezoelectric ceramic plates with thickness poling. Archive of Applied Mechanics, 2014, 84, 1917-1935.	1.2	9
112	A piezoelectric gyroscope based on thickness-shear modes of an AlN bimorph with inclinedc-axes. Philosophical Magazine Letters, 2014, 94, 447-454.	0.5	9
113	One-dimensional equations for coupled extensional, radial, and axial-shear motions of circular piezoelectric ceramic rods with axial poling. Archive of Applied Mechanics, 2014, 84, 1677-1689.	1.2	8
114	Frequency and amplitude modulations in crystal resonators due to transient thermal effects. Journal of Applied Physics, 2014, 115, 054504.	1.1	6
115	Propagation of thickness-twist waves in elastic plates with periodically varying thickness and phononic crystals. Ultrasonics, 2014, 54, 1899-1903.	2.1	8
116	Analysis of the electrically forced vibrations of piezoelectric mesa resonators. Chinese Physics B, 2013, 22, 087704.	0.7	1
117	Effects of mass layer imperfect bonding on the electrical impedance of a quartz crystal microbalance. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2186-2191.	2.0	3
118	Scalar Differential Equation for Slowly-Varying Thickness-Shear Modes in AT-Cut Quartz Resonators With Surface Impedance for Acoustic Wave Sensor Application. IEEE Sensors Journal, 2013, 13, 4349-4355.	2.4	5
119	Thickness-shear vibration of a rectangular quartz plate with partial electrodes. Acta Mechanica Solida Sinica, 2013, 26, 121-128.	1.0	9
120	Characterization of functionally graded elastic materials using a thickness-shear mode quartz resonator. Philosophical Magazine Letters, 2013, 93, 362-370.	0.5	6
121	The calculation of electrical circuit parameters of quartz crystal resonators with the consideration of equivalent viscous dissipation. , 2013, , .		2
122	Overtone frequency spectra for Î¾₃-dependent modes in AT-cut quartz resonators [Correspondence]. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 858-863.	1.7	9
123	Thickness-shear and thickness-twist vibrations of circular AT-cut quartz resonators. Acta Mechanica Solida Sinica, 2013, 26, 245-254.	1.0	26
124	Thickness-shear modes of an elliptical, contoured at-cut quartz resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1192-1198.	1.7	11
125	Spiral piezoelectric transducer in torsional motion as low-frequency power harvester. Applied Mathematics and Mechanics (English Edition), 2013, 34, 589-596.	1.9	8
126	Effects of asymmetric and nonuniform mass layers on quartz crystal microbalances. Philosophical Magazine Letters, 2013, 93, 27-33.	0.5	1

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127	Equations for high-frequency vibrations of piezoelectric plates derived from a semi-mixed variational principle and applications in resonators. International Journal of Applied Electromagnetics and Mechanics, 2013, 41, 361-373.	0.3	3
128	Amplitude evolution equation and transient effects in piezoelectric crystal resonators. Journal of Applied Physics, 2013, 114, 144510.	1.1	4
129	Transient thickness-shear vibration of a piezoelectric plate of monoclinic crystals. International Journal of Applied Electromagnetics and Mechanics, 2012, 38, 27-37.	0.3	19
130	Energy trapping of thickness-shear and thickness-twist modes in a partially electroded AT-cut quartz resonator. Acta Mechanica Solida Sinica, 2012, 25, 579-585.	1.0	4
131	Effects of mismatched electrodes on an ATCut quartz resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 281-286.	1.7	4
132	Shear-horizontalwavesin a rotated Y-cut quartz plate on an elastic half space. Philosophical Magazine Letters, 2012, 92, 77-85.	0.5	2
133	Shear-horizontal vibration modes of an oblate elliptical cylinder and energy trapping in contoured acoustic wave resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1774-1780.	1.7	3
134	Thickness-shear vibration of an AT-cut quartz resonator with a hyperbolic contour. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1006-1012.	1.7	23
135	Simultaneous determination of thin-film inertia and shear stiffness using thickness-twist and face-shear modes of an AT-cut quartz resonator. Philosophical Magazine Letters, 2012, 92, 683-689.	0.5	1
136	Quasi-thickness-shear waves in thin-film piezoelectric resonators of ZnO and AlN with tilted C-Axis. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2522-2527.	1.7	7
137	Thickness-stretch vibration of a crystal plate carrying a micro-rod array. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2152-2157.	2.0	1
138	A piezoelectric energy harvester based on flow-induced flexural vibration of a circular cylinder. Journal of Intelligent Material Systems and Structures, 2012, 23, 135-139.	1.4	42
139	Thickness-shear vibration of an elastic plate carrying an array of rigid microbeams with consideration of couple stresses. International Journal of Engineering Science, 2012, 51, 179-189.	2.7	13
140	Shear-horizontal waves in a rotated Y-cut quartz plate with an isotropic elastic layer of finite thickness. Acta Mechanica Solida Sinica, 2012, 25, 82-89.	1.0	4
141	Shear-horizontal waves in a rotated Y-cut quartz plate in contact with a viscous fluid. Ultrasonics, 2012, 52, 133-137.	2.1	8
142	Analysis of a monolithic, two-dimensional array of quartz crystal microbalances loaded by mass layers with nonuniform thickness. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 746-751.	1.7	3
143	Five-mode frequency spectra of x₃-dependent modes in AT-cut quartz resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 811-816.	1.7	10
144	Effects of Mass Layer Nonuniformity on a Quartz-Crystal Microbalance. IEEE Sensors Journal, 2011, 11, 934-938.	2.4	12

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145	Collective buckling of line arrays created by soft lithography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 021001.	0.6	3
146	Shear-horizontal waves in a rotated Y-cut quartz plate with an imperfectly bonded mass layer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 616-622.	1.7	11
147	Frequency shifts in plate crystal resonators induced by electric, magnetic, or mechanical fields in surface films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2588-2595.	1.7	1
148	Effects of a Mass Layer With Gradually Varying Thickness on a Quartz Crystal Microbalance. IEEE Sensors Journal, 2011, 11, 1635-1639.	2.4	18
149	Frequency shifts in a quartz plate piezoelectric resonator in contact with a viscous fluid under a separated electrode. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 177-187.	0.3	8
150	High-frequency vibrations of piezoelectric plates driven by lateral electric fields. International Journal of Engineering Science, 2011, 49, 1435-1442.	2.7	26
151	Effects of mass layer dimension on a finite quartz crystal microbalance. Acta Mechanica, 2011, 222, 103-113.	1.1	10
152	Thickness-shear vibration of a quartz plate connected to piezoelectric plates and electric field sensing. Ultrasonics, 2011, 51, 131-135.	2.1	7
153	Energy trapping in high-frequency vibrations of piezoelectric plates with partial mass layers under lateral electric field excitation. Ultrasonics, 2011, 51, 376-381.	2.1	14
154	Analysis of a monolithic crystal plate acoustic wave filter. Ultrasonics, 2011, 51, 991-996.	2.1	15
155	Shear vibration of a crystal plate carrying an array of microbeams. Philosophical Magazine Letters, 2011, 91, 572-581.	0.5	17
156	Collective buckling of nonuniform nanobeams interacting through an elastic substrate. Acta Mechanica, 2010, 209, 285-293.	1.1	4
157	Propagation of thickness-twist waves in a piezoelectric ceramic plate in contact with viscous fluids. Acta Mechanica, 2010, 212, 263-270.	1.1	13
158	Collective buckling of an elastic beam array on an elastic substrate for applications in soft lithography. Acta Mechanica, 2010, 215, 235-240.	1.1	7
159	Interface waves in functionally graded piezoelectric materials. International Journal of Engineering Science, 2010, 48, 151-159.	2.7	13
160	Forceâ€“frequency effect of thickness mode langasite resonators. Ultrasonics, 2010, 50, 479-490.	2.1	11
161	Fluid-induced frequency shift in a piezoelectric plate driven by lateral electric fields. International Journal of Applied Electromagnetics and Mechanics, 2010, 34, 171-180.	0.3	16
162	Analysis of Rosen piezoelectric transformers with end masses. International Journal of Applied Electromagnetics and Mechanics, 2010, 32, 97-110.	0.3	3

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163	Stability of Shallow Tunnel Using Rigid Blocks and Finite-Element Upper Bound Solutions. International Journal of Geomechanics, 2010, 10, 242-247.	1.3	56
164	Stress-induced frequency shifts of degenerate thickness-shear modes in rotated Y-cut quartz resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1880-1883.	1.7	4
165	Frequency spectra of AT-cut quartz plates with electrodes of unequal thickness. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1146-1151.	1.7	24
166	Analysis of a monolithic quartz plate thickness-twist mode acoustic wave filter. , 2010, , .		0
167	Effects of surface deformation on the collective buckling of an array of rigid beams on an elastic substrate. Journal of Mechanics of Materials and Structures, 2010, 5, 495-506.	0.4	2
168	Effects of electric field gradient on the propagation of short piezoelectric interface waves. International Journal of Applied Electromagnetics and Mechanics, 2009, 29, 101-108.	0.3	5
169	Optimal electrode shape and size for shear mode thin film acoustic wave resonators. Applied Physics Letters, 2009, 95, .	1.5	6
170	Reduction of surface acoustic wave resonator normal acceleration sensitivity using piezoelectric actuators. Applied Physics Letters, 2009, 95, 123506.	1.5	1
171	Shear-Horizontal Vibration of an Elastic Circular Cylindrical Shell With Two Piezoelectric Transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1708-1715.	1.7	0
172	The magnetoelectric effects in multiferroic composite nanofibers. Applied Physics Letters, 2009, 94, .	1.5	36
173	Thickness-shear vibration of rotatedY-cut quartz plates with unattached electrodes and asymmetric air gaps. Philosophical Magazine Letters, 2009, 89, 313-321.	0.5	12
174	Effects of bending stiffness and rotatory inertia in a mass-rod piezoelectric vibratory gyroscope. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 1-8.	0.3	0
175	Nonlocal and Gradient Effects. , 2009, , 281-318.		0
176	Electrically forced shear horizontal vibration of a circular cylindrical elastic shell with a finite piezoelectric actuator. Archive of Applied Mechanics, 2009, 79, 955-964.	1.2	5
177	Propagation of thickness-twist waves in a piezoelectric ceramic plate with unattached electrodes. Ultrasonics, 2009, 49, 501-504.	2.1	6
178	Thickness-shear vibration of a circular cylindrical ceramic cylinder with unattached electrodes and air gaps. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 1423-1427.	0.2	3
179	Mechanical behaviour of natural cow leather in tension. Acta Mechanica Solida Sinica, 2009, 22, 37-44.	1.0	18
180	Thickness vibration of piezoelectric plates of 6mm crystals with tilted six-fold axis and two-layered thick electrodes. Ultrasonics, 2009, 49, 149-152.	2.1	38

#	Article	IF	Citations
181	Effect of mass layer stiffness on propagation of thickness-twist waves in rotated Y-cut quartz crystal plates. Ultrasonics, 2009, 49, 401-403.	2.1	18
182	Electrically forced vibration of an elastic plate with a finite piezoelectric actuator. Journal of Sound and Vibration, 2009, 321, 242-253.	2.1	8
183	Nonlinear coupling between thickness- shear and thickness-stretch modes in a rotated y-cut quartz resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 220-224.	1.7	12
184	Theoretical analysis of a ceramic plate thickness-shear mode piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 613-621.	1.7	1
185	Optimal electrode shape and size of a few singly rotated quartz and langasite resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 237-238.	1.7	15
186	Thin Film Piezoelectric Actuators with Nonuniform Thickness for Reducing Actuating Shear Stress Concentration. Journal of Intelligent Material Systems and Structures, 2009, 20, 729-731.	1.4	3
187	Theoretical modeling of frequency-dependent magnetoelectric effects in laminated multiferroic plates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2750-2759.	1.7	20
188	Connected Vibrating Piezoelectric Bimorph Beams as a Wide-band Piezoelectric Power Harvester. Journal of Intelligent Material Systems and Structures, 2009, 20, 569-574.	1.4	115
189	Electrically forced thickness-shear and flexural vibrations of rectangular piezoelectric plates of rotated Y-cut quartz and langasite. , 2009, , .		0
190	Harvesting magnetic energy using extensional vibration of laminated magnetoelectric plates. Applied Physics Letters, 2009, 95, .	1.5	52
191	Fully Dynamic Theory. , 2009, , 247-280.		0
192	Analytical and numerical modeling of resonant piezoelectric devices in China-A review. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1775-1807.	0.2	9
193	Propagation of straight-crested waves in an electroelastic plate under biasing fields. Acta Mechanica, 2008, 196, 113-122.	1.1	2
194	Dynamic Anti-Plane Problems of Piezoceramics and Applications in Ultrasonicsâ€”A Review. Acta Mechanica Solida Sinica, 2008, 21, 207-220.	1.0	27
195	Electrically forced thickness-shear vibrations of quartz plate with nonlinear coupling to extension. Acta Mechanica Solida Sinica, 2008, 21, 555-563.	1.0	9
196	High-frequency vibrations of corrugated cylindrical piezoelectric shells. Acta Mechanica Solida Sinica, 2008, 21, 564-572.	1.0	7
197	Effects of electrodes with continuously varying thickness on energy trapping in thickness-shear mode quartz resonators. Ultrasonics, 2008, 48, 150-154.	2.1	51
198	On the shear stress distribution between a functionally graded piezoelectric actuator and an elastic substrate and the reduction of its concentration. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2360-2362.	1.7	8

#	Article	IF	Citations
199	On the eigenvalue problem for free vibrations of a piezoelectric/piezomagnetic body. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 734-737.	1.7	5
200	Two-dimensional equations for electroelastic plates with relatively large in-plane shear deformation and nonlinear mode coupling in resonant piezoelectric devices. Acta Mechanica, 2008, 196, 103-111.	1.1	19
201	Vibration of a thickness-twist mode piezoelectric resonator with asymmetric, nonuniform electrodes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 841-848.	1.7	24
202	Vibration characteristics of a circular cylindrical panel piezoelectric transducer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2327-2335.	1.7	6
203	Optimal electrode shape and size of doubly rotated quartz plate thickness mode piezoelectric resonators. Applied Physics Letters, 2008, 92, .	1.5	22
204	A thickness mode acoustic wave sensor for measuring interface stiffness between two elastic materials. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1678-1681.	1.7	15
205	A nonlinear theory for electroelastic shells with relatively large in-plane shear deformation and its implications in nonlinear mode coupling. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1146-1152.	1.7	8
206	Transmitting electric energy through a closed elastic wall by acoustic waves and piezoelectric transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1380-1386.	1.7	28
207	Functionally graded piezoelectric materials for modal transducers for exciting bulk and surface acoustic waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1555-1558.	1.7	9
208	Collective Buckling of a Two-Dimensional Array of Nanoscale Columns. Journal of Physical Chemistry B, 2008, 112, 14766-14771.	1.2	8
209	Modeling of power transmission through an elastic wall by piezoelectric transducers and acoustic waves. , 2008, , .		6
210	Optimal electrode shape and size of plate thickness-shear mode piezoelectric resonators. , 2008, , .		2
211	Shear Horizontal Piezoelectric Waves in a Piezoceramic Plate Imperfectly Bonded to Two Piezoceramic Half-Spaces. Journal of Mechanics, 2008, 24, 229-239.	0.7	16
212	Analysis of Rosen piezoelectric transformers with a varying cross-section. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1632-1639.	1.7	35
213	Analysis of a ceramic plate thickness-twist mode piezoelectric transformer. International Journal of Applied Electromagnetics and Mechanics, 2008, 28, 455-467.	0.3	0
214	Comment on "Admittance matrix of asymmetric piezoelectric bimorph with two separate electrical ports under general distributed load". IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1087-1089.	1.7	14
215	A new mass sensor based on thickness-twist edge modes in a piezoelectric plate. Europhysics Letters, 2007, 77, 28003.	0.7	2
216	Effects of electrodes with varying thickness on energy trapping in thickness-shear quartz resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 892-895.	1.7	40

#	Article	IF	Citations
217	Analysis of a rectangular ceramic plate in electrically forced thickness-twist vibration as a piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 830-835.	1.7	13
218	Electroelastic Effect of Thickness Mode Langasite Resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2120-2128.	1.7	12
219	Analysis of Temperature Compensation in a Plate Thickness Mode Bulk Acoustic Wave Resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1826-1833.	1.7	7
220	An exact analysis of a rectangular plate piezoelectric generator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 190-195.	1.7	15
221	One-dimensional equations for planar piezoelectric curved bars. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2202-2207.	1.7	3
222	Weakly nonlinear behavior of a plate thickness-mode piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 877-881.	1.7	18
223	Thickness-Twist Edge Modes in a Semi-Infinite Piezoelectric Plate of Crystals with 6mm Symmetry (Letters). IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 220-221.	1.7	5
224	Theoretical modeling of a thickness-shear mode circular cylinder piezoelectric transformer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 621-626.	1.7	20
225	Energy trapping of thickness-shear vibration modes of elastic plates with functionally graded materials. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 687-690.	1.7	23
226	Propagation of thickness-twist waves through a joint between two semi-infinite piezoelectric plates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 888-891.	1.7	11
227	Acoustic leakage in electromagnetic waveguides made from piezoelectric materials. Journal of Applied Physics, 2007, 101, 066105.	1.1	3
228	Collective Buckling of Periodic Soft Nanostructures on Surfaces and Promotion for Nanolithography. Journal of Physical Chemistry C, 2007, 111, 13348-13353.	1.5	10
229	Mass sensitivity of thickness-twist modes in a rectangular piezoelectric plate of hexagonal crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 882-887.	1.7	6
230	Finite Element Analysis of Stress Field Concentration Near the Edge of an Electrode. Ferroelectrics, Letters Section, 2007, 34, 108-111.	0.4	18
231	Piezoelectric transformer structural modeling - a review. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1154-1170.	1.7	118
232	A mode III crack in a piezoelectric semiconductor of crystals with 6mm symmetry. International Journal of Solids and Structures, 2007, 44, 3928-3938.	1.3	65
233	An exact analysis of forced thickness-twist vibrations of multi-layered piezoelectric plates. Acta Mechanica Solida Sinica, 2007, 20, 211-218.	1.0	4
234	Electrically forced vibration of a thickness-twist mode piezoelectric resonator with non-uniform electrodes. Acta Mechanica Solida Sinica, 2007, 20, 266-274.	1.0	21

#	Article	IF	Citations
235	Piezoelectric generator based on torsional modes for power harvesting from angular vibrations. Applied Mathematics and Mechanics (English Edition), 2007, 28, 779-784.	1.9	22
236	Vibrations of a crystal body with a shear-deformable surface mass layer. Acta Mechanica, 2007, 190, 223-232.	1.1	6
237	Propagation of thickness-twist waves in a multi-sectioned piezoelectric plate of 6Âmm crystals. Archive of Applied Mechanics, 2007, 77, 689-696.	1.2	14
238	Nonlinear behavior of a piezoelectric power harvester near resonance. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1387-1391.	1.7	54
239	Thickness-shear vibrations of rotated Y-cut quartz plates with imperfectly bonded surface mass layers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 241-245.	1.7	29
240	Mass sensitivity of thickness-shear modes in an isotropic elastic circular cylinder. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1237-1238.	1.7	3
241	Effects of Piezoelectric Coupling on Bechmann's number for thickness-twish waves in a plate of hexagonal crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1960-1962.	1.7	10
242	Perturbation analysis of frequency shifts in an electroelastic body under biasing fields. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2442-2449.	1.7	4
243	Analysis of plate piezoelectric unimorphs. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 456-462.	1.7	18
244	A Review of a Few Topics in Piezoelectricity. Applied Mechanics Reviews, 2006, 59, 335-345.	4.5	75
245	Acoustic Gap Waves in Piezoelectromagnetic Materials. Mathematics and Mechanics of Solids, 2006, 11, 451-458.	1.5	10
246	Experimental Study on Dynamic Properties of Lime Treated Soil. , 2006, , 81.		1
247	Effects of middle plane curvature on vibrations of a thickness-shear mode crystal resonator. International Journal of Solids and Structures, 2006, 43, 7840-7851.	1.3	7
248	Piezoelectromagnetic waves guided by the surface of a ceramic cylinder. Acta Mechanica, 2006, 181, 199-205.	1.1	6
249	Thickness-shear vibration of circular crystal plate in cylindrical shell as pressure sensor. Applied Mathematics and Mechanics (English Edition), 2006, 27, 749-755.	1.9	10
250	Analysis of a Circular Piezoelectric Semiconductor Embedded in a Piezoelectric Semiconductor Substrate. Archive of Applied Mechanics, 2006, 76, 381-390.	1.2	29
251	Nonlinear vibrations of electroelastic shells with relatively large shear deformations. Science in China Series G: Physics, Mechanics and Astronomy, 2006, 49, 660-670.	0.2	7
252	A low frequency piezoelectric power harvester using a spiral-shaped bimorph. Science in China Series G: Physics, Mechanics and Astronomy, 2006, 49, 649-659.	0.2	34

#	Article	IF	Citations
253	An estimate on the second-order normal acceleration sensitivity of a quartz resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1562-1563.	1.7	6
254	On the effect of the electric field in the free space surrounding a finite piezoelectric body. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1557-1559.	1.7	6
255	Propagation of thickness-twist waves in a quartz plate with asymmetric mass layers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1560-1561.	1.7	11
256	Parametric Study on Geosynthetic-Reinforced Pile-Supported Embankments. , 2006, , 255.		7
257	Thickness-twist modes in a rectangular piezoelectric resonator of hexagonal crystals. Applied Physics Letters, 2006, 88, 153506.	1.5	16
258	Reduction of crystal resonator second-order normal acceleration sensitivity by overhang plates. Applied Physics Letters, 2006, 88, 193509.	1.5	3
259	Antiplane piezoelectric surface waves over a ceramic half-space with an imperfectly bonded layer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1695-1698.	1.7	25
260	Sensitivity of Electroelastic Effect to Nonlinear Material Behavior in Langasite Resonators. , 2006, , .		0
261	Piezoelectric waves near an imperfectly bonded interface between two half-spaces. Applied Physics Letters, 2006, 88, 203509.	1.5	69
262	Shifts in a crystal resonator due to submersion in a fluid. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 662-664.	1.7	5
263	A high-sensitivity, dual-plate, thickness-shear mode pressure sensor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2193-2197.	1.7	10
264	An Introduction to the Mathematical Theory of Vibrations of Elastic Plates. , 2006, , .		140
265	Amplification of acoustic waves in piezoelectric semiconductor plates. International Journal of Solids and Structures, 2005, 42, 3171-3183.	1.3	57
266	Propagation and amplification of gap waves between a piezoelectric half-space and a semiconductor film. Acta Mechanica, 2005, 176, 83-93.	1.1	20
267	Spatial dispersion of short surface acoustic waves in piezoelectric ceramics. Acta Mechanica, 2005, 180, 11-20.	1.1	10
268	Electromagnetoelastic behavior induced by a crack under antiplane mechanical and inplane electric impacts. International Journal of Fracture, 2005, 132, 49-64.	1.1	13
269	On Using The Kane-Mindlin Theory in The Analysis Of Cracks in Plates. International Journal of Fracture, 2005, 133, L13-L17.	1.1	7
270	On Using Strain Gradient Theories In The Analysis Of Cracks. International Journal of Fracture, 2005, 133, L19-L22.	1.1	11

#	Article	IF	Citations
271	An Anti-plane Crack in a Piezoelectric Semiconductor. International Journal of Fracture, 2005, 136, L27-L32.	1.1	47
272	Frequency shifts in a piezoelectric body due to a surface mass layer with consideration of the layer stiffness. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1200-1203.	1.7	7
273	Mass sensitivity of antiplane (SH) modes in an isotropic elastic wedge. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2306-2307.	1.7	2
274	Free vibrations of an electroelastic body under biasing fields. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 358-364.	1.7	13
275	Performance of a piezoelectric bimorph for scavenging vibration energy. Smart Materials and Structures, 2005, 14, 769-774.	1.8	180
276	Amplification of Acoustic Waves in Piezoelectric Semiconductor Shells. Journal of Intelligent Material Systems and Structures, 2005, 16, 613-621.	1.4	17
277	Vibrations of an asymmetrically electroded piezoelectric plate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2031-2038.	1.7	7
278	A review of analyses related to vibrations of rotating piezoelectric bodies and gyroscopes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 698-706.	1.7	42
279	A mass sensor based on torsional modes in a conical shell. Applied Physics Letters, 2005, 87, 214108.	1.5	3
280	Performance of a piezoelectric harvester in thickness-stretch mode of a plate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1872-1876.	1.7	67
281	Thickness-shear vibration of rotated Y-cut quartz plates with relatively thick electrodes of unequal thickness. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 918-922.	1.7	52
282	Interface waves between two piezoelectric half-spaces with a semiconductor film. Journal of Zhejiang University Science B, 2005, 6A, 90-96.	0.4	5
283	Piezoelectromagnetic waves in a ceramic plate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1035-1039.	1.7	11
284	Mechanics of electroelastic bodies under biasing fields. Applied Mechanics Reviews, 2004, 57, 173-189.	4.5	47
285	Effects of piezoelectric coupling on energy mapping of thickness-shear modes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1047-1049.	1.7	26
286	Frequency shifts in a piezoelectric body due to small amounts of additional mass on its surface. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1199-1202.	1.7	14
287	Effects of Electromagnetic Coupling on a Moving Crack in Polarized Ceramics. International Journal of Fracture, 2004, 126, L83-L88.	1.1	8
288	Effects of Electric Field Gradient on an Anti-Plane Crack in Piezoelectric Ceramics. International Journal of Fracture, 2004, 127, L111-L116.	1.1	16

#	Article	IF	Citations
289	Amplification of acoustic waves in laminated piezoelectric semiconductor plates. Archive of Applied Mechanics, 2004, 74, 288-298.	1.2	19
290	Acoustoelectric amplification of piezoelectric surface waves. Acta Mechanica, 2004, 172, 113-122.	1.1	34
291	A moving screw dislocation in piezoelectromagnetic ceramics. Acta Mechanica, 2004, 172, 123-129.	1.1	10
292	Shear horizontal vibrations of a piezoelectric/ferroelectric wedge. Acta Mechanica, 2004, 173, 13-17.	1.1	15
293	Amplification of acoustic waves in laminated piezoelectric semiconductor plates. Archive of Applied Mechanics, 2004, 74, 288-298.	1.2	10
294	A semi-infinite anti-plane crack in a piezoelectric semiconductor. International Journal of Fracture, 2004, 130, L169-L174.	1.1	5
295	Surface waves in electrostrictive materials under biasing fields. Zeitschrift Fur Angewandte Mathematik Und Physik, 2004, 55, 678-700.	0.7	18
296	A new ceramic tube piezoelectric gyroscope. Sensors and Actuators A: Physical, 2003, 107, 42-49.	2.0	32
297	Transmitting electric energy through a metal wall by acoustic waves using piezoelectric transducers. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 773-781.	1.7	130
298	Equations for small fields superposed on finite biasing fields in a thermoelectroelastic body. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 187-192.	1.7	11
299	Thickness-shear vibrations of a quartz plate under time-dependent biasing deformations. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1114-1123.	1.7	4
300	Piezoelectric Vibratory Gyroscopes. Advances in Mechanics and Mathematics, 2003, , 1-16.	0.2	1
301	VIBRATIONS OF A CRYSTAL PLATE UNDER A THERMAL BIAS. Journal of Thermal Stresses, 2003, 26, 467-477.	1.1	7
302	Boundary formulation and numerical analysis of elastic bodies with surface-bonded piezoelectric films. Smart Materials and Structures, 2002, 11, 308-311.	1.8	6
303	Characterization of electroelastic beams under biasing fields with applications in buckling analysis. Archive of Applied Mechanics, 2002, 72, 439-450.	1.2	6
304	On modeling of extension and flexure response of electroelastic shells under biasing fields. Acta Mechanica, 2002, 156, 163-178.	1.1	13
305	A high sensitivity resonator pressure sensor. Sensors and Actuators A: Physical, 2002, 101, 332-337.	2.0	10
306	One-dimensional equations for a piezoelectric ring and applications in a gyroscope. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 1275-1282.	1.7	11

#	Article	IF	Citations
307	Surface acoustic waves propagating over a rotating piezoelectric half-space. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2001, 48, 998-1004.	1.7	23
308	Rotation-perturbed surface acoustic waves propagating in piezoelectric crystals. International Journal of Solids and Structures, 2000, 37, 4933-4947.	1.3	33
309	Analysis of the shear stress transferred from a partially electroded piezoelectric actuator to an elastic substrate. Smart Materials and Structures, 2000, 9, 248-254.	1.8	23
310	A vibrating piezoelectric ceramic shell as a rotation sensor. Smart Materials and Structures, 2000, 9, 445-451.	1.8	36
311	Higher-Order Theories of Piezoelectric Plates and Applications. Applied Mechanics Reviews, 2000, 53, 87-99.	4.5	158
312	Equations for thick elastic plates with partially electroded piezoelectric actuators and higher order electric fields. Smart Materials and Structures, 1999, 8, 73-82.	1.8	49
313	Gyroscopic effect on surface waves in piezoelectrics. , 1999, , .		2
314	Nonlinear Equations of Thermoviscoelectroelasticity. Mathematics and Mechanics of Solids, 1998, 3, 113-124.	1.5	9
315	Thickness vibrations of rotating piezoelectric plates. Journal of the Acoustical Society of America, 1998, 104, 1427-1435.	0.5	17
316	Elastic analysis of the transfer of shearing stress from partially electroded piezoelectric actuators to composite plates in cylindrical bending. Smart Materials and Structures, 1997, 6, 333-340.	1.8	21
317	Equations for the flexural motion of elastic plates with partially electroded piezoelectric actuators. Smart Materials and Structures, 1997, 6, 485-490.	1.8	21
318	Analysis of ceramic thickness shear piezoelectric gyroscopes. Journal of the Acoustical Society of America, 1997, 102, 3542-3548.	0.5	34
319	Equations for Elastic Plates with Partially Electroded Piezoelectric Actuators in Flexure with Shear Deformation and Rotatory Inertia. Journal of Intelligent Material Systems and Structures, 1997, 8, 444-451.	1.4	18
320	Shape control of vibrating simply supported rectangular plates. AIAA Journal, 1996, 34, 116-122.	1.5	50
321	Stress sensitivity of electromagnetic resonances in circular dielectric disks. Journal of Applied Physics, 1996, 79, 1224-1232.	1.1	9
322	The vibration of an elastic dielectric with piezoelectromagnetism. Quarterly of Applied Mathematics, 1995, 53, 753-760.	0.5	8
323	Saint-Venant's principle for linear elastic porous materials. Journal of Elasticity, 1995, 39, 265-271.	0.9	22
324	Saint-Venant's principle in linear piezoelectricity. Journal of Elasticity, 1995, 38, 209-218.	0.9	123

#	Article	IF	Citations
325	Secondâ€order constitutive relations for transversely isotropic piezoelectric porous materials. Journal of the Acoustical Society of America, 1995, 97, 2595-2598.	0.5	3
326	FREE VIBRATIONS OF A LINEAR THERMOPIEZOELECTRIC BODY. Journal of Thermal Stresses, 1995, 18, 247-262.	1.1	37
327	Thickness shear vibrations of a circular cylindrical piezoelectric shell. Journal of the Acoustical Society of America, 1995, 97, 309-312.	0.5	15
328	A secondâ€order theory for piezoelectric materials. Journal of the Acoustical Society of America, 1995, 97, 280-288.	0.5	32
329	The cylindrical bending vibration of a laminated elastic plate due to piezoelectric actuators. Smart Materials and Structures, 1994, 3, 485-493.	1.8	50
330	A theory of electroded thin thermopiezoelectric plates subject to large driving voltages. Journal of Applied Physics, 1994, 76, 5411-5417.	1.1	21
331	Stress sensitivity of resonances of transverse electric modes in circular disk dielectric resonators. Journal of Applied Physics, 1994, 76, 63-72.	1.1	3
332	Free vibrations of a piezoelectric body. Journal of Elasticity, 1994, 34, 239-254.	0.9	25
333	Twoâ€dimensional equations for guided electromagnetic waves in dielectric plates surrounded by free space. Journal of Applied Physics, 1993, 73, 7069-7082.	1.1	10
334	Vibrations of circular disk dielectric resonators. Journal of Applied Physics, 1993, 73, 7083-7092.	1.1	8
335	Thickness vibrations of a rotating AT-cut quartz plate. , 0, , .		1
336	Transmission of electric energy through an elastic wall. , 0, , .		0
337	Frequency shifts in crystal resonators due to intrinsic stresses in unequal thickness electrodes. , 0, , .		0
338	Study on the Screening Effectiveness of Vibration Isolation Trench. Applied Mechanics and Materials, 0, 71-78, 4444-4448.	0.2	1
339	Temperature Effects on Mobile Charges in Thermopiezoelectric Semiconductor Plates. International Journal of Applied Mechanics, 0, , 2150037.	1.3	15
340	Processing kinetics and thermomechanical responses of a meltâ€infiltrated piezoelectric ceramic composite. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , .	0.9	0