

# Wei-qiu Chen

## List of Publications by Year in descending order

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373  
papers

12,260  
citations

24978

57  
h-index

48187

88  
g-index

380  
all docs

380  
docs citations

380  
times ranked

5074  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a hollow piezoelectric semiconductor composite cylinder under a thermal loading. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 2037-2046.	1.5	9
2	Nonlinear Vibration and Stability of a Dielectric Elastomer Balloon Based on a Strain-Stiffening Model. <i>Journal of Elasticity</i> , 2023, 153, 533-548.	0.9	6
3	Interaction between torsional deformation and mobile charges in a composite rod of piezoelectric dielectrics and nonpiezoelectric semiconductors. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1449-1455.	1.5	14
4	A double-layer metastructured beam with contact-separation switchability. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1011-1019.	1.5	4
5	An Interpretation of Long Short-Term Memory Recurrent Neural Network for Approximating Roots of Polynomials. <i>IEEE Access</i> , 2022, 10, 28194-28205.	2.6	2
6	Predictions of Dynamic Multimode-Coupling and High-Frequency Vibrations in Magneto-Electro-Elastic Heterostructures. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2022, 69, 1804-1814.	1.7	4
7	Identification of an Ultrathin Osteochondral Interface Tissue with Specific Nanostructure at the Human Knee Joint. <i>Nano Letters</i> , 2022, 22, 2309-2319.	4.5	18
8	Interfacial delamination-induced unidirectional propagation of guided waves in multilayered media. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 1531-1545.	1.5	4
9	Size-dependent vibrations and waves in piezoelectric nanostructures: a literature review. <i>International Journal of Smart and Nano Materials</i> , 2022, 13, 391-431.	2.0	26
10	Tunable flexural wave band gaps in a prestressed elastic beam with periodic smart resonators. <i>Mechanics of Advanced Materials and Structures</i> , 2021, 28, 221-228.	1.5	26
11	Low-frequency tunable topological interface states in soft phononic crystal cylinders. <i>International Journal of Mechanical Sciences</i> , 2021, 191, 106098.	3.6	46
12	Broadband topological valley transport of elastic wave in reconfigurable phononic crystal plate. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	64
13	Axisymmetric Free Vibration of Soft Electroactive Circular Plates under Biasing Fields. <i>Acta Mechanica Sinica</i> , 2021, 34, 326-345.	1.0	4
14	Instability of compressible soft electroactive plates. <i>International Journal of Engineering Science</i> , 2021, 162, 103474.	2.7	8
15	Mechanical Manipulation of Silicon-based Schottky Diodes via Flexoelectricity. <i>Nano Energy</i> , 2021, 83, 105855.	8.2	41
16	Robust optimal design of strain-gauge-based force sensors using moving morphable components method: enhanced sensitivity and reduced cross-interference. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 1439-1455.	1.7	5
17	Tunable guided waves in a soft phononic crystal with a line defect. <i>APL Materials</i> , 2021, 9, .	2.2	12
18	Stretchable, Multifunctional Epidermal Sensor Patch for Surface Electromyography and Strain Measurements. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100031.	3.3	30

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19	Manipulation of the guided wave propagation in multilayered phononic plates by introducing interface delaminations. <i>European Journal of Mechanics, A/Solids</i> , 2021, 88, 104266.	2.1	21
20	Precise and target-oriented control of the low-frequency Lamb wave bandgaps. <i>Journal of Sound and Vibration</i> , 2021, 511, 116367.	2.1	21
21	Harnessing post-buckling deformation to tune sound absorption in soft Helmholtz absorbers. <i>International Journal of Mechanical Sciences</i> , 2021, 208, 106695.	3.6	29
22	Propagation of nonlinear waves in graded flexible metamaterials. <i>International Journal of Impact Engineering</i> , 2021, 156, 103924.	2.4	6
23	Preface to the Special Issue on the Dynamic Behaviors and Energy Absorption of Materials and Structures. <i>Acta Mechanica Solida Sinica</i> , 2021, 34, 781-782.	1.0	0
24	Tailoring edge and interface states in topological metastructures exhibiting the acoustic valley Hall effect. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	2.0	18
25	Pattern evolution in bending dielectric-elastomeric bilayers. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 136, 103670.	2.3	18
26	Magnetically Controllable Piezotronic Responses in a Composite Semiconductor Fiber with Multiferroic Coupling Effects. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900621.	0.8	21
27	Numerically Stable Solutions to the State Equations for Structural Analyses. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	1.6	4
28	Voltage-controlled quantum valley Hall effect in dielectric membrane-type acoustic metamaterials. <i>International Journal of Mechanical Sciences</i> , 2020, 172, 105368.	3.6	67
29	Actively controllable topological phase transition in homogeneous piezoelectric rod system. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 137, 103824.	2.3	105
30	Flexible manipulation of topologically protected waves in one-dimensional soft periodic plates. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105348.	3.6	27
31	Growth and patterns of residually stressed core-shell soft sphere. <i>International Journal of Non-Linear Mechanics</i> , 2020, 127, 103594.	1.4	7
32	Thermally Induced Electromechanical Fields in Unimorphs of Piezoelectric Dielectrics and Nonpiezoelectric Semiconductors. <i>Integrated Ferroelectrics</i> , 2020, 211, 117-131.	0.3	5
33	Exact axisymmetric adhesive contact analysis for a pre-deformed soft electroactive half-space. <i>International Journal of Solids and Structures</i> , 2020, 207, 206-229.	1.3	4
34	Mathematical modelling of phononic nanoplate and its size-dependent dispersion and topological properties. <i>Applied Mathematical Modelling</i> , 2020, 88, 774-790.	2.2	20
35	Experimentally tailoring acoustic topological edge states by selecting the boundary type. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	5
36	The effect of an exterior electric field on the instability of dielectric plates. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20200267.	1.0	7

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37	Effects of Magnetic Fields on PN Junctions in Piezomagnetic/Piezoelectric Semiconductor Composite Fibers. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050085.	1.3	19
38	Nonlinear response and axisymmetric wave propagation in functionally graded soft electro-active tubes. <i>International Journal of Mechanical Sciences</i> , 2020, 187, 106006.	3.6	19
39	Electrical Response of a Multiferroic Composite Semiconductor Fiber Under a Local Magnetic Field. <i>Acta Mechanica Solida Sinica</i> , 2020, 33, 663-673.	1.0	21
40	Actively controllable topological phase transition in phononic beam systems. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105668.	3.6	42
41	Electrostatically tunable axisymmetric vibrations of soft electro-active tubes. <i>Journal of Sound and Vibration</i> , 2020, 483, 115467.	2.1	21
42	Programmable and scalable transfer printing with high reliability and efficiency for flexible inorganic electronics. <i>Science Advances</i> , 2020, 6, eabb2393.	4.7	88
43	Effects of strain stiffening and electrostriction on tunable elastic waves in compressible dielectric elastomer laminates. <i>International Journal of Mechanical Sciences</i> , 2020, 176, 105572.	3.6	35
44	Enhance the sensitivity of strain-gauge-based force sensors using moving morphable units method. <i>Structural and Multidisciplinary Optimization</i> , 2020, 62, 2805-2816.	1.7	3
45	Electro-mechanically guided growth and patterns. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 143, 104073.	2.3	9
46	Overview of the 2nd ICMAMS in Nanjing and call for papers for the third edition in College Station. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 91-93.	1.5	0
47	Temperature Effects on PN Junctions in Piezoelectric Semiconductor Fibers with Thermoelastic and Pyroelectric Couplings. <i>Journal of Electronic Materials</i> , 2020, 49, 3140-3148.	1.0	29
48	Tunable and Active Phononic Crystals and Metamaterials. <i>Applied Mechanics Reviews</i> , 2020, 72, .	4.5	292
49	Nanoscale Insights into Photovoltaic Hysteresis in Triple-Cation Mixed-Halide Perovskite: Resolving the Role of Polarization and Ionic Migration. <i>Advanced Materials</i> , 2019, 31, e1902870.	11.1	73
50	Free vibration and active control of pre-stretched multilayered electroactive plates. <i>International Journal of Solids and Structures</i> , 2019, 180-181, 108-124.	1.3	17
51	Harnessing inclusions to tune post-buckling deformation and bandgaps of soft porous periodic structures. <i>Journal of Sound and Vibration</i> , 2019, 459, 114848.	2.1	59
52	Influence of Initial Residual Stress on Growth and Pattern Creation for a Layered Aorta. <i>Scientific Reports</i> , 2019, 9, 8232.	1.6	29
53	Electrical behaviors of a piezoelectric semiconductor fiber under a local temperature change. <i>Nano Energy</i> , 2019, 66, 104081.	8.2	51
54	Three-dimensional vibrations of multilayered hollow spheres submerged in a complex fluid. <i>Journal of Fluid Mechanics</i> , 2019, 879, 682-715.	1.4	9

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55	Electrostatically tunable small-amplitude free vibrations of pressurized electro-active spherical balloons. <i>International Journal of Non-Linear Mechanics</i> , 2019, 117, 103237.	1.4	22
56	Harnessing uniaxial tension to tune Poisson's ratio and wave propagation in soft porous phononic crystals: an experimental study. <i>Soft Matter</i> , 2019, 15, 2921-2927.	1.2	50
57	Actively controllable flexural wave band gaps in beam-type acoustic metamaterials with shunted piezoelectric patches. <i>European Journal of Mechanics, A/Solids</i> , 2019, 77, 103807.	2.1	99
58	Abnormal wave propagation behaviors in two-dimensional massâ€“spring structures with nonlocal effect. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 3632-3643.	1.5	8
59	3D elasticity solutions for stress field analysis of FGM circular plates subject to concentrated edge forces and couples. <i>Acta Mechanica</i> , 2019, 230, 2655-2668.	1.1	1
60	Surface effect on the propagation of flexural waves in periodic nano-beam and the size-dependent topological properties. <i>Composite Structures</i> , 2019, 216, 427-435.	3.1	41
61	Research laboratory on the mechanics of smart materials and structures, Zhejiang University. <i>Journal of Zhejiang University: Science A</i> , 2019, 20, 305-310.	1.3	1
62	Piezotronic Effect of a Thin Film With Elastic and Piezoelectric Semiconductor Layers Under a Static Flexural Loading. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, .	1.1	29
63	General solutions for elasticity of transversely isotropic materials with thermal and other effects: A review. <i>Journal of Thermal Stresses</i> , 2019, 42, 90-106.	1.1	13
64	Temperature Effects on Mobile Charges in Extension of Composite Fibers of Piezoelectric Dielectrics and Non-Piezoelectric Semiconductors. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950088.	1.3	19
65	On The Effective Polarization Charges In Theextension Of A Piezoelectric Semiconductor Fiber With A Pn Junction. , 2019, . .		1
66	Prescribing patterns in growing tubular soft matter by initial residual stress. <i>Soft Matter</i> , 2019, 15, 8468-8474.	1.2	29
67	SH wave generated Lamb wave in a plate with a localized region of material nonlinearity. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2019, 19, e201900343.	0.2	0
68	Tuning bandgaps in metastructured beams: numerical and experimental study. <i>Journal of Zhejiang University: Science A</i> , 2019, 20, 811-822.	1.3	14
69	Static buckling of piezoelectric semiconductor fibers. <i>Materials Research Express</i> , 2019, 6, 125919.	0.8	20
70	Tunable Two-Way Unidirectional Acoustic Diodes: Design and Simulation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, .	1.1	28
71	Coupled Extensional and Flexural Motions of a Two-Layer Plate With Interface Slip. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019, 141, .	1.0	1
72	Theory of dislocation loops in multilayered anisotropic solids with magneto-electro-elastic couplings. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 125, 440-471.	2.3	16

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73	Tunable bandgaps in soft phononic plates with spring-mass-like resonators. <i>International Journal of Mechanical Sciences</i> , 2019, 151, 300-313.	3.6	92
74	Finite bending and pattern evolution of the associated instability for a dielectric elastomer slab. <i>International Journal of Solids and Structures</i> , 2019, 158, 191-209.	1.3	29
75	Dispersion curves of magneto-electro-elastic imperfect cylinders filled with fluid. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 195-211.	1.5	6
76	On asymmetric bending of functionally graded solid circular plates. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018, 39, 767-782.	1.9	3
77	Buckling of a piezoelectric nanobeam with interfacial imperfection and van der Waals force: Is nonlocal effect really always dominant?. <i>Composite Structures</i> , 2018, 194, 357-364.	3.1	17
78	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. <i>Composite Structures</i> , 2018, 189, 560-569.	3.1	196
79	Soft Ultrathin Electronics Innervated Adaptive Fully Soft Robots. <i>Advanced Materials</i> , 2018, 30, e1706695.	11.1	301
80	On propagation of axisymmetric waves in pressurized functionally graded elastomeric hollow cylinders. <i>Journal of Sound and Vibration</i> , 2018, 421, 17-47.	2.1	47
81	Electromechanical Fields Near a Circular PN Junction Between Two Piezoelectric Semiconductors. <i>Acta Mechanica Solida Sinica</i> , 2018, 31, 127-140.	1.0	34
82	Actively tunable transverse waves in soft membrane-type acoustic metamaterials. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	50
83	Two-dimensional equations for thin-films of ionic conductors. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018, 39, 1071-1088.	1.9	1
84	Controllable wave propagation in a weakly nonlinear monoatomic lattice chain with nonlocal interaction and active control. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018, 39, 1059-1070.	1.9	17
85	Extension/Compression-Controlled Complete Band Gaps in 2D Chiral Square-Lattice-Like Structures. <i>Acta Mechanica Solida Sinica</i> , 2018, 31, 51-65.	1.0	27
86	On free vibration of piezoelectric nanospheres with surface effect. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 1101-1114.	1.5	13
87	Tuning Elastic Waves in Soft Phononic Crystal Cylinders Via Large Deformation and Electromechanical Coupling. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018, 85, .	1.1	56
88	Piezopotential in a bended composite fiber made of a semiconductive core and of two piezoelectric layers with opposite polarities. <i>Nano Energy</i> , 2018, 54, 341-348.	8.2	61
89	Robustly Tuning Bandgaps in Two-Dimensional Soft Phononic Crystals with Criss-Crossed Elliptical Holes. <i>Acta Mechanica Solida Sinica</i> , 2018, 31, 573-588.	1.0	24
90	Optimizing parameters to achieve giant deformation of an incompressible dielectric elastomeric plate. <i>Extreme Mechanics Letters</i> , 2018, 22, 60-68.	2.0	18

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91	Modified multiplicative decomposition model for tissue growth: Beyond the initial stress-free state. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 118, 133-151.	2.3	40
92	Bending of a Cantilever Piezoelectric Semiconductor Fiber Under an End Force. <i>Advanced Structured Materials</i> , 2018, , 261-278.	0.3	27
93	Wrinkles in soft dielectric plates. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 119, 298-318.	2.3	58
94	Tunable band gaps and transmission behavior of SH waves with oblique incident angle in periodic dielectric elastomer laminates. <i>International Journal of Mechanical Sciences</i> , 2018, 146-147, 81-90.	3.6	38
95	Piezotronic effects in the extension of a composite fiber of piezoelectric dielectrics and nonpiezoelectric semiconductors. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	79
96	3D elasticity solution for uniformly loaded elliptical plates of functionally graded materials using complex variables method. <i>Archive of Applied Mechanics</i> , 2018, 88, 1829-1841.	1.2	3
97	An analytical model to predict material gradient and anisotropy in bamboo. <i>Acta Mechanica</i> , 2017, 228, 2819-2833.	1.1	12
98	Exact solutions for axisymmetric flexural free vibrations of inhomogeneous circular Mindlin plates with variable thickness. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2017, 38, 505-526.	1.9	12
99	Interaction energy of interface dislocation loops in piezoelectric bi-crystals. <i>Theoretical and Applied Mechanics Letters</i> , 2017, 7, 76-80.	1.3	2
100	Elasticity solutions for a transversely isotropic functionally graded annular sector plate. <i>Acta Mechanica</i> , 2017, 228, 2603-2621.	1.1	5
101	An analysis of electric double layers near comb electrodes using the linearized Poisson-Nernst-Planck theory. <i>Journal of Applied Physics</i> , 2017, 121, 044502.	1.1	1
102	An analysis of the extension of a ZnO piezoelectric semiconductor nanofiber under an axial force. <i>Smart Materials and Structures</i> , 2017, 26, 025030.	1.8	139
103	Indentation of a Transversely Isotropic Thermoporoelastic Half-Space by a Rigid Circular Cylindrical Punch. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	1.1	6
104	On surface waves in a finitely deformed coated half-space. <i>International Journal of Solids and Structures</i> , 2017, 128, 50-66.	1.3	15
105	Buckling of a stiff thin film on an elastic graded compliant substrate. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170410.	1.0	8
106	An analysis of PN junctions in piezoelectric semiconductors. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	82
107	A Two-Way Unidirectional Narrow-Band Acoustic Filter Realized by a Graded Phononic Crystal. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	1.1	20
108	On guided circumferential waves in soft electroactive tubes under radially inhomogeneous biasing fields. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 99, 116-145.	2.3	64

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109	Bifurcation of pressurized functionally graded elastomeric hollow cylinders. <i>Composites Part B: Engineering</i> , 2017, 109, 259-276.	5.9	21
110	Notice of Removal: Tuning waves in soft phononic rods via large deformation and electromechanical coupling. , 2017, , .		1
111	Propagation of extensional waves in a piezoelectric semiconductor rod. <i>AIP Advances</i> , 2016, 6, .	0.6	42
112	Three-dimensional fundamental thermo-elastic solutions applied to contact problems. <i>Journal of Applied Physics</i> , 2016, 120, 174904.	1.1	6
113	Enhancing magnetoelectric effect in multiferroic composite bilayers via flexoelectricity. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	40
114	Exact solutions for free vibrations of axially inhomogeneous Timoshenko beams with variable cross section. <i>Acta Mechanica</i> , 2016, 227, 2625-2643.	1.1	34
115	On buckling of a soft incompressible electroactive hollow cylinder. <i>International Journal of Solids and Structures</i> , 2016, 97-98, 400-416.	1.3	24
116	Mechanics of dielectric elastomers: materials, structures, and devices. <i>Journal of Zhejiang University: Science A</i> , 2016, 17, 1-21.	1.3	24
117	Carrier distribution and electromechanical fields in a free piezoelectric semiconductor rod. <i>Journal of Zhejiang University: Science A</i> , 2016, 17, 37-44.	1.3	31
118	On the Green's functions for a two-phase soft electroactive medium subjected to biasing fields. <i>Engineering Analysis With Boundary Elements</i> , 2016, 64, 137-149.	2.0	1
119	Analytical solutions for an infinite transversely isotropic functionally graded sectorial plate subjected to a concentrated force or couple at the tip. <i>Acta Mechanica</i> , 2016, 227, 495-506.	1.1	4
120	Equilibrium of transversely isotropic FGM plates with an elliptical hole: 3D elasticity solutions. <i>Archive of Applied Mechanics</i> , 2016, 86, 1391-1414.	1.2	8
121	Diffusion-induced stresses in an imperfect bilayer electrode of coin-shaped lithium-ion batteries. <i>European Journal of Mechanics, A/Solids</i> , 2016, 55, 167-180.	2.1	4
122	Multiple refraction switches realized by stretching elastomeric scatterers in sonic crystals. <i>AIP Advances</i> , 2015, 5, .	0.6	11
123	Kink and kink-like waves in pre-stretched Mooney-Rivlin viscoelastic rods. <i>AIP Advances</i> , 2015, 5, .	0.6	8
124	Statics of FGM circular plate with magneto-electro-elastic coupling: axisymmetric solutions and their relations with those for corresponding rectangular beam. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 581-598.	1.9	18
125	Extensional Waves in a Sandwich Plate With Interface Slip. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2015, 137, .	1.0	1
126	An Inertia-Based Stabilizing Method for Quasi-Static Simulation of Unstable Crack Initiation and Propagation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015, 82, .	1.1	20



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127	Three-dimensional elastostatic solutions for transversely isotropic functionally graded material plates containing elastic inclusion. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015, 36, 417-426.	1.9	4
128	Thin-Film Piezoelectric Actuators of Nonuniform Thickness and Nonhomogeneous Material Properties for Modulating Actuation Stress. <i>Mechanics of Advanced Materials and Structures</i> , 2015, 22, 803-812.	1.5	3
129	Surface effects on anti-plane shear waves propagating in magneto-electro-elastic nanoplates. <i>Smart Materials and Structures</i> , 2015, 24, 095017.	1.8	28
130	Some recent advances in 3D crack and contact analysis of elastic solids with transverse isotropy and multifield coupling. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2015, 31, 601-626.	1.5	34
131	3D elasticity solutions for equilibrium problems of transversely isotropic FGM plates with holes. <i>Acta Mechanica</i> , 2015, 226, 1571-1590.	1.1	13
132	Comments on nonlocal effects in nano-cantilever beams. <i>International Journal of Engineering Science</i> , 2015, 87, 47-57.	2.7	218
133	Size-Dependent Thermomechanical Responses of Nano-Sized Multilayers. <i>Journal of Nanomechanics &amp; Micromechanics</i> , 2015, 5, .	1.4	4
134	On wave propagation in anisotropic elastic cylinders at nanoscale: surface elasticity and its effect. <i>Acta Mechanica</i> , 2014, 225, 2743-2760.	1.1	30
135	Symmetry breaking induces band gaps in periodic piezoelectric plates. <i>Journal of Applied Physics</i> , 2014, 115, 133501.	1.1	17
136	Two-dimensional theory of piezoelectric shells considering surface effect. <i>European Journal of Mechanics, A/Solids</i> , 2014, 43, 109-117.	2.1	32
137	Two-dimensional equations for high-frequency extensional vibrations of piezoelectric ceramic plates with thickness poling. <i>Archive of Applied Mechanics</i> , 2014, 84, 1917-1935.	1.2	9
138	Line-integral representations for extended displacements, stresses, and interaction energy of arbitrary dislocation loops in transversely isotropic magneto-electro-elastic bimetals. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 1005-1028.	1.9	9
139	One-dimensional equations for coupled extensional, radial, and axial-shear motions of circular piezoelectric ceramic rods with axial poling. <i>Archive of Applied Mechanics</i> , 2014, 84, 1677-1689.	1.2	8
140	The renaissance of continuum mechanics. <i>Journal of Zhejiang University: Science A</i> , 2014, 15, 231-240.	1.3	12
141	Propagation of thickness-twist waves in elastic plates with periodically varying thickness and phononic crystals. <i>Ultrasonics</i> , 2014, 54, 1899-1903.	2.1	8
142	Eddy-current effect on resonant magnetoelectric coupling in magnetostrictive-piezoelectric laminated composites. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	15
143	Tuning Molecular Adhesion via Material Anisotropy. <i>Advanced Functional Materials</i> , 2013, 23, 4729-4738.	7.8	11
144	Three-phase inclusions of arbitrary shape with internal uniform hydrostatic thermal stresses. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2013, 64, 1399-1411.	0.7	3

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145	Overtone frequency spectra for $\hat{1/4} <sub>3 </sub>$ -dependent modes in AT-cut quartz resonators [Correspondence]. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 858-863.	1.7	9
146	Free vibration analysis of pre-stretched plates with electromechanical coupling. , 2013, , .		1
147	Prediction of Viscoelastic Behavior in Asphalt Concrete Using the Fast Multipole Boundary Element Method. Journal of Materials in Civil Engineering, 2013, 25, 328-336.	1.3	13
148	Two-scale analytical solutions of multilayered composite rectangular plates with in-plane small periodic structure. European Journal of Mechanics, A/Solids, 2013, 40, 123-130.	2.1	13
149	Two-dimensional theory of piezoelectric plates considering surface effect. European Journal of Mechanics, A/Solids, 2013, 41, 50-57.	2.1	66
150	Magnetolectric effects in functionally graded multiferroic bilayers. Journal of Applied Physics, 2013, 113, 084502.	1.1	15
151	Indentation responses of piezoelectric layered half-space. Smart Materials and Structures, 2013, 22, 015007.	1.8	20
152	Wave propagation in piezoelectric cylinders with surface effects. , 2013, , .		1
153	Non-local modelling on the buckling of a weakened nanobeam. Micro and Nano Letters, 2013, 8, 102-106.	0.6	9
154	Modeling of Piezoelectric Bimorph Nano-Actuators With Surface Effects. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	1.1	15
155	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
156	Modified Stoney's Formulas for Small-Scaled Bilayer Systems. Journal of Engineering Materials and Technology, Transactions of the ASME, 2012, 134, .	0.8	3
157	Analysis of the coupling effects of the longitudinal and transverse displacements on the deformation and internal forces of functionally graded beams. Proceedings in Applied Mathematics and Mechanics, 2012, 12, 217-218.	0.2	0
158	Indentation of a compressible soft electroactive half-space: Some theoretical aspects. Acta Mechanica Sinica/Lixue Xuebao, 2012, 28, 1133-1142.	1.5	8
159	Reverberation-ray analysis of continuous Timoshenko beams subject to moving loads. JVC/Journal of Vibration and Control, 2012, 18, 774-784.	1.5	16
160	Waves in pre-stretched incompressible soft electroactive cylinders: exact solution. Acta Mechanica Solida Sinica, 2012, 25, 530-541.	1.0	27
161	On propagation of anti-plane shear waves in piezoelectric plates with surface effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3281-3286.	0.9	66
162	Three-Dimensional Pyroelectric Analysis of a Functionally Graded Piezoelectric Hollow Sphere. Journal of Thermal Stresses, 2012, 35, 499-516.	1.1	8

#	ARTICLE	IF	CITATIONS
163	Two-dimensional complete rational analysis of functionally graded beams within symplectic framework. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012, 33, 1225-1238.	1.9	4
164	Crack detection of beam-structures based on transient waves. , 2012, , .		0
165	Penny-Shaped Dugdale Crack in a Transverse Isotropic Medium. <i>International Journal of Fracture</i> , 2012, 176, 207-214.	1.1	5
166	Effects of functionally graded materials on dynamics of molecular bond clusters. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 980-988.	2.0	8
167	Elasticity solutions for functionally graded rectangular plates with two opposite edges simply supported. <i>Applied Mathematical Modelling</i> , 2012, 36, 488-503.	2.2	32
168	Analytical solutions of heterogeneous rectangular plates with transverse small periodicity. <i>Composites Part B: Engineering</i> , 2012, 43, 1056-1062.	5.9	7
169	Mechanics of indentation for piezoelectric thin films on elastic substrate. <i>International Journal of Solids and Structures</i> , 2012, 49, 95-110.	1.3	41
170	Crack tip plasticity of a penny-shaped Dugdale crack in a power-law graded elastic infinite medium. <i>Engineering Fracture Mechanics</i> , 2012, 88, 1-14.	2.0	18
171	Reverberation-ray matrix analysis for wave propagation in multiferroic plates with imperfect interfacial bonding. <i>Ultrasonics</i> , 2012, 52, 125-132.	2.1	15
172	Local superconvergence of the derivative for tensor-product block FEM. <i>Numerical Methods for Partial Differential Equations</i> , 2012, 28, 457-475.	2.0	3
173	Effects of Mass Layer Nonuniformity on a Quartz-Crystal Microbalance. <i>IEEE Sensors Journal</i> , 2011, 11, 934-938.	2.4	12
174	Delamination assessment of a laminated composite beam using distributed piezoelectric sensor/actuator. <i>Smart Materials and Structures</i> , 2011, 20, 075011.	1.8	11
175	High-frequency emi signatures for damaged plates using finite element method. , 2011, , .		1
176	Through-wall Power Transmission Using an Alternating Magnetic Field and a Multiferroic Energy Harvester. <i>Journal of Intelligent Material Systems and Structures</i> , 2011, 22, 561-565.	1.4	9
177	Thickness-shear vibration of AT-cut quartz plates carrying finite-size particles with rotational degree of freedom and rotatory inertia [Correspondence]. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 666-670.	1.7	14
178	Thickness-twist and face-shear waves in piezoelectric plates of monoclinic crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 2763-2767.	1.7	5
179	Nonlinear Responses of Nanoscale FGM Films Including the Effects of Surface Energies. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1321-1327.	1.1	34
180	Magnetolectric coupling in multiferroic laminated plates with giant magnetostrictive material layers. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	22

#	ARTICLE	IF	CITATIONS
181	Effects of a Mass Layer With Gradually Varying Thickness on a Quartz Crystal Microbalance. IEEE Sensors Journal, 2011, 11, 1635-1639.	2.4	18
182	Surface Effects on the Jump-in Instability of Nanomechanical Structures. IEEE Nanotechnology Magazine, 2011, 10, 962-967.	1.1	5
183	Analysis of the penalty version of the Arlequin framework for the prediction of structural responses with large deformations. Journal of Zhejiang University: Science A, 2011, 12, 552-560.	1.3	2
184	A fast multipole boundary element method for 2D viscoelastic problems. Engineering Analysis With Boundary Elements, 2011, 35, 170-178.	2.0	15
185	Large multiple resonance of magnetolectric effect in a multiferroic composite cylinder with an imperfect interface. Physica Status Solidi (B): Basic Research, 2011, 248, 2180-2185.	0.7	5
186	Modulus prediction of asphalt concrete with imperfect bonding between aggregateâ€œasphalt mastic. Composites Part B: Engineering, 2011, 42, 1404-1411.	5.9	50
187	Dynamic analysis of partial-interaction composite beams. Composites Science and Technology, 2011, 71, 1286-1294.	3.8	41
188	Recursive formulae for wave propagation analysis of FGM elastic plates via reverberation-ray matrix method. Composite Structures, 2011, 93, 259-270.	3.1	26
189	Implementation of the Arlequin method into ABAQUS: Basic formulations and applications. Advances in Engineering Software, 2011, 42, 197-207.	1.8	14
190	3D analytical solution for a functionally graded transversely isotropic piezoelectric circular plate under tension and bending. International Journal of Engineering Science, 2011, 49, 664-676.	2.7	27
191	An electro-mechanical impedance model of a cracked composite beam with adhesively bonded piezoelectric patches. Journal of Sound and Vibration, 2011, 330, 287-307.	2.1	31
192	Thickness-shear vibration of a quartz plate connected to piezoelectric plates and electric field sensing. Ultrasonics, 2011, 51, 131-135.	2.1	7
193	Mechanics of reversible adhesion. Soft Matter, 2011, 7, 8657.	1.2	47
194	Quartz crystal industry of China at crossroads. , 2011, , .		0
195	Surface effect on Bleustein-Gulyaev wave in a piezoelectric half-space. Theoretical and Applied Mechanics Letters, 2011, 1, 041001.	1.3	35
196	Electromechanical impedance response of a cracked functionally graded beam with imperfectly bonded piezoelectric wafers. Journal of Intelligent Material Systems and Structures, 2011, 22, 1899-1912.	1.4	6
197	Wave Propagation in Submerged Functionally Graded Piezoelectric Cylindrical Transducers with Axial Polarization. Mechanics of Advanced Materials and Structures, 2011, 18, 85-93.	1.5	8
198	Augmented Cohesive Elements for Efficient Delamination Analyses of Composite Laminates. Journal of Engineering Materials and Technology, Transactions of the ASME, 2011, 133, .	0.8	7

#	ARTICLE	IF	CITATIONS
199	ON GENERALIZATION OF THE PHASE RELATIONS IN THE METHOD OF REVERBERATION-RAY MATRIX. , 2011, , 49-74.		1
200	Micromechanics-based analysis for predicting asphalt concrete modulus. Journal of Zhejiang University: Science A, 2010, 11, 415-424.	1.3	9
201	On shear bond strength of FRP-concrete structures. Engineering Structures, 2010, 32, 897-905.	2.6	62
202	A strain-isolation design for stretchable electronics. Acta Mechanica Sinica/Lixue Xuebao, 2010, 26, 881-888.	1.5	34
203	Modeling of multi-inclusion composites with interfacial imperfections: Micromechanical and numerical simulations. Science China Technological Sciences, 2010, 53, 720-730.	2.0	7
204	Fast multipole boundary element analysis of 2D viscoelastic composites with imperfect interfaces. Science China Technological Sciences, 2010, 53, 2160-2171.	2.0	13
205	Thermal stresses in bilayer systems with weak interface. Mechanics Research Communications, 2010, 37, 520-524.	1.0	19
206	Low-frequency magnetic energy harvest using multiferroic composite plates. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2406-2409.	0.9	22
207	Theory of indentation on multiferroic composite materials. Journal of the Mechanics and Physics of Solids, 2010, 58, 1524-1551.	2.3	136
208	General steady-state solutions for transversely isotropic thermoporoelastic media in three dimensions and its application. European Journal of Mechanics, A/Solids, 2010, 29, 317-326.	2.1	32
209	Static analysis of anisotropic functionally graded magneto-electro-elastic beams subjected to arbitrary loading. European Journal of Mechanics, A/Solids, 2010, 29, 356-369.	2.1	50
210	Elasticity solution for an FGM cylindrical panel integrated with piezoelectric layers. European Journal of Mechanics, A/Solids, 2010, 29, 714-723.	2.1	37
211	Semi-analytical solution for orthotropic piezoelectric laminates in cylindrical bending with interfacial imperfections. Composite Structures, 2010, 92, 1009-1018.	3.1	41
212	Free vibration of FGM plates with in-plane material inhomogeneity. Composite Structures, 2010, 92, 1047-1051.	3.1	90
213	Plane analysis for functionally graded magneto-electro-elastic materials via the symplectic framework. Composite Structures, 2010, 92, 1753-1761.	3.1	39
214	Fast multipole boundary element analysis for 2D problems of magneto-electro-elastic media. Engineering Analysis With Boundary Elements, 2010, 34, 927-933.	2.0	33
215	Anti-plane shear Green's functions for an isotropic elastic half-space with a material surface. International Journal of Solids and Structures, 2010, 47, 1641-1650.	1.3	42
216	Structural Health Monitoring Using High-Frequency Electromechanical Impedance Signatures. Advances in Civil Engineering, 2010, 2010, 1-11.	0.4	43

#	ARTICLE	IF	CITATIONS
217	Magnetolectric Effects in Multiferroic Bilayers for Coupled Flexure and Extension. Journal of Intelligent Material Systems and Structures, 2010, 21, 851-855.	1.4	11
218	Microstructured elastomeric surfaces with reversible adhesion and examples of their use in deterministic assembly by transfer printing. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17095-17100.	3.3	356
219	Enhancing magnetolectric effect via the curvature of composite cylinder. Journal of Applied Physics, 2010, 107, 093514.	1.1	46
220	Indentation on piezoelectric films in smooth contact with an elastic substrate. , 2010, , .		0
221	A wideband magnetic energy harvester. Applied Physics Letters, 2010, 96, .	1.5	40
222	Reverberation-ray analysis of dispersion of elastic waves in a box-girder. , 2010, , .		0
223	Piezothermoelastic analysis of thin films deposited on elastomeric substrates. , 2010, , .		0
224	Torsional wave propagation in a circumferentially poled piezoelectric cylindrical transducer with unattached electrodes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1230-1236.	1.7	12
225	Recursive formulations for dynamic analysis of a smart cracked beam based on the method of reverberation-ray matrix. , 2010, , .		0
226	Elastic waves in piezoelectric cylinders with sectorial cross-section. , 2010, , .		3
227	Transient response of composite beams with partial interaction. , 2010, , .		0
228	Two-dimensional exact analysis of piezoelectric curved beam within symplectic framework. , 2010, , .		0
229	Analytical modeling and static response of a curved beam with imperfectly bonded piezoelectric actuators. , 2009, , .		0
230	Semi-analytical solution for orthotropic multiferroic laminates. , 2009, , .		0
231	The magnetolectric effects in multiferroic composite nanofibers. Applied Physics Letters, 2009, 94, .	1.5	36
232	Exact solution for simply supported multiferroic laminates with imperfect interfaces. , 2009, , .		0
233	A Unified Solution for an Anisotropic Functionally Graded Piezoelectric Beam Subject to Sinusoidal Transverse Loads. Journal of Intelligent Material Systems and Structures, 2009, 20, 1401-1414.	1.4	4
234	Electrically forced vibration of a rectangular piezoelectric plate of monoclinic crystals. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 207-218.	0.3	13

#	ARTICLE	IF	CITATIONS
235	Semi-analytical analysis for multi-directional functionally graded plates: 3D elasticity solutions. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 79, 25-44.	1.5	105
236	Elastodynamic theory of framed structures and reverberation-ray matrix analysis. <i>Acta Mechanica</i> , 2009, 204, 61-79.	1.1	37
237	Elasticity solutions for a uniformly loaded rectangular plate of functionally graded materials with two opposite edges simply supported. <i>Acta Mechanica</i> , 2009, 207, 245-258.	1.1	27
238	Recursive formulations for the method of reverberation-ray matrix and the application. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 293-302.	0.2	10
239	Guided wave propagation in multilayered piezoelectric structures. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 1094-1104.	0.2	43
240	Analytical solution and semi-analytical solution for anisotropic functionally graded beam subject to arbitrary loading. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 1244-1256.	0.2	10
241	Frequency spectra of beam-plates revisited. <i>Ultrasonics</i> , 2009, 49, 4-9.	2.1	2
242	Elastic mechanical behavior of nano-scaled FGM films incorporating surface energies. <i>Composites Science and Technology</i> , 2009, 69, 1124-1130.	3.8	100
243	Size-dependent elastic behavior of FGM ultra-thin films based on generalized refined theory. <i>International Journal of Solids and Structures</i> , 2009, 46, 1176-1185.	1.3	187
244	A circular cylindrical, radially polarized ceramic shell piezoelectric transformer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 1238-1245.	1.7	22
245	Two-dimensional analysis of magnetoelectric effects in multiferroic laminated plates. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 1046-1053.	1.7	40
246	Geometrical non-linear finite element analysis of piezoelectric materials based on ABAQUS. , 2009, , .		0
247	Exact Solutions for Free Vibrations of Functionally Graded Thick Plates on Elastic Foundations. <i>Mechanics of Advanced Materials and Structures</i> , 2009, 16, 576-584.	1.5	54
248	Theoretical modeling of frequency-dependent magnetoelectric effects in laminated multiferroic plates. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 2750-2759.	1.7	20
249	One-dimensional equations for piezoelectromagnetic beams and magnetoelectric effects in fibers. <i>Smart Materials and Structures</i> , 2009, 18, 095026.	1.8	25
250	Electrically forced thickness-shear and flexural vibrations of rectangular piezoelectric plates of rotated Y-cut quartz and langasite. , 2009, , .		0
251	Vibration of a functionally graded piezoelectric spherical shell filled with fluid. , 2009, , .		0
252	Saint-Venant solutions for functionally graded piezoelectric beams with transverse polarization. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
253	Bending of piezoelectric bimorph plates under a coupled action of electric and thermal fields. , 2009, , .		0
254	Harvesting magnetic energy using extensional vibration of laminated magnetoelectric plates. Applied Physics Letters, 2009, 95, .	1.5	52
255	Three-dimensional analytical solution for a transversely isotropic functionally graded piezoelectric circular plate subject to a uniform electric potential difference. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1116-1125.	0.2	20
256	Axisymmetric elasticity solutions for a uniformly loaded annular plate of transversely isotropic functionally graded materials. Acta Mechanica, 2008, 196, 139-159.	1.1	30
257	On free wave propagation in anisotropic layered media. Acta Mechanica Solida Sinica, 2008, 21, 500-506.	1.0	15
258	Transient torsional wave in finite hollow cylinder with initial axial stress. Acta Mechanica Solida Sinica, 2008, 21, 536-541.	1.0	3
259	Elasticity solutions for functionally graded plates in cylindrical bending. Applied Mathematics and Mechanics (English Edition), 2008, 29, 999-1004.	1.9	25
260	Dynamic analysis of space frames: The method of reverberation-ray matrix and the orthogonality of normal modes. Journal of Sound and Vibration, 2008, 317, 716-738.	2.1	44
261	Three-dimensional analytical solution for functionally graded magneto-electro-elastic circular plates subjected to uniform load. Composite Structures, 2008, 83, 381-390.	3.1	90
262	Two-dimensional elasticity solutions for functionally graded beams resting on elastic foundations. Composite Structures, 2008, 84, 209-219.	3.1	230
263	Benchmark solutions for functionally graded thick plates resting on Winkler-Pasternak elastic foundations. Composite Structures, 2008, 85, 95-104.	3.1	105
264	Semi-analytical elasticity solutions for bi-directional functionally graded beams. International Journal of Solids and Structures, 2008, 45, 258-275.	1.3	168
265	Elasticity solutions for a transversely isotropic functionally graded circular plate subject to an axisymmetric transverse load $q(r)$ . International Journal of Solids and Structures, 2008, 45, 191-210.	1.3	87
266	On numerical calculation in symplectic approach for elasticity problems. Journal of Zhejiang University: Science A, 2008, 9, 583-588.	1.3	10
267	Modeling of sensor function for piezoelectric bender elements. Journal of Zhejiang University: Science A, 2008, 9, 1-7.	1.3	7
268	Bending of laminated piezoelectric cantilever actuator under constant voltage. , 2008, , .		0
269	Delamination detection in laminated composite beams using electro-mechanical impedance signatures. , 2008, , .		0
270	Wave propagation in two-layered infinite composite piezoelectric hollow cylinder with imperfect interfaces. , 2008, , .		2



#	ARTICLE	IF	CITATIONS
271	Application of EMI Technique for Crack Detection in Continuous Beams Adhesively Bonded with Multiple Piezoelectric Patches. <i>Mechanics of Advanced Materials and Structures</i> , 2008, 15, 1-11.	1.5	35
272	The symplectic method for plane problem of Functionally Graded Piezoelectric Materials. , 2008, , .		1
273	Analysis of functionally graded and laminated piezoelectric cantilever actuators subjected to constant voltage. <i>Smart Materials and Structures</i> , 2008, 17, 065002.	1.8	15
274	Modeling of multilayered acoustic wave devices with the method of reverberation-ray matrix. , 2008, , .		2
275	Free vibration of multiferroic simply supported circular cylindrical panels. , 2008, , .		0
276	Reverberation-ray analysis of orthotropic piezoelectric laminates with imperfect interfaces. , 2008, , .		0
277	An electromechanical impedance approach for quantitative damage detection in Timoshenko beams with piezoelectric patches. <i>Smart Materials and Structures</i> , 2007, 16, 1390-1400.	1.8	29
278	P5E-8 The Method of Reverberation-Ray Matrix - A New Matrix Analysis of Waves in Piezoelectric Laminates. <i>Proceedings IEEE Ultrasonics Symposium</i> , 2007, , .	0.0	3
279	Piezoelectricity solutions for functionally graded piezoelectric beams. <i>Smart Materials and Structures</i> , 2007, 16, 687-695.	1.8	44
280	ANALYTICAL SOLUTION FOR FUNCTIONALLY GRADED ANISOTROPIC PIEZOELECTRIC CANTILEVER BEAM SUBJECTED TO LINEARLY DISTRIBUTED LOAD. , 2007, , .		0
281	Exact Solution for Thick, Laminated Piezoelectric Beams. <i>Mechanics of Advanced Materials and Structures</i> , 2007, 14, 81-87.	1.5	8
282	Free vibration of generally supported rectangular Kirchhoff plates: State-space-based differential quadrature method. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 70, 1430-1450.	1.5	28
283	Quantitative structural damage detection using high-frequency piezoelectric signatures via the reverberation matrix method. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 71, 505-528.	1.5	18
284	The reverberation-ray matrix and transfer matrix analyses of unidirectional wave motion. <i>Wave Motion</i> , 2007, 44, 419-438.	1.0	91
285	Dynamic analysis of space structures with multiple tuned mass dampers. <i>Engineering Structures</i> , 2007, 29, 3390-3403.	2.6	72
286	Elasticity solutions for plane anisotropic functionally graded beams. <i>International Journal of Solids and Structures</i> , 2007, 44, 176-196.	1.3	105
287	Analytical solution for functionally graded magneto-electro-elastic plane beams. <i>International Journal of Engineering Science</i> , 2007, 45, 467-485.	2.7	101
288	Free vibrations of the partial-interaction composite members with axial force. <i>Journal of Sound and Vibration</i> , 2007, 299, 1074-1093.	2.1	60

#	ARTICLE	IF	CITATIONS
289	3D analytical solution for a rotating transversely isotropic annular plate of functionally graded materials. Journal of Zhejiang University: Science A, 2007, 8, 1038-1043.	1.3	4
290	Analytical solution for functionally graded anisotropic cantilever beam under thermal and uniformly distributed load. Journal of Zhejiang University: Science A, 2007, 8, 1351-1355.	1.3	17
291	Analytical solution for functionally graded anisotropic cantilever beam subjected to linearly distributed load. Applied Mathematics and Mechanics (English Edition), 2007, 28, 855-860.	1.9	17
292	Three-dimensional analytical solution for a rotating disc of functionally graded materials with transverse isotropy. Archive of Applied Mechanics, 2007, 77, 241-251.	1.2	29
293	FREE VIBRATION AND STEADY-STATE RESPONSE OF A SMART CYLINDER. , 2007, , .		0
294	FREE VIBRATION OF MULTI-SPAN CONTINUOUS BEAMS VIA MRRM. , 2007, , .		0
295	3D ANALYTICAL SOLUTION FOR A TRANSVERSELY ISOTROPIC MAGNETOELECTROELASTIC ROTATING DISC WITH FUNCTIONALLY GRADED PROPERTY. , 2007, , .		0
296	WAVE PROPAGATION IN FUNCTIONALLY GRADED TIMOSHENKO BEAMS. , 2007, , .		0
297	GUIDED WAVES IN ANISOTROPIC ELASTIC LAMINATED PLATES. , 2007, , .		0
298	Free Vibration of Transversely Isotropic Circular Plates. AIAA Journal, 2006, 44, 2415-2418.	1.5	2
299	On functionally graded beams with integrated surface piezoelectric layers. Composite Structures, 2006, 72, 339-351.	3.1	65
300	On the fracture resistance of adhesively jointing structures. Journal of Zhejiang University: Science A, 2006, 7, 1289-1295.	1.3	1
301	Pure bending of simply supported circular plate of transversely isotropic functionally graded material. Journal of Zhejiang University: Science A, 2006, 7, 1324-1328.	1.3	23
302	A three-dimensional solution for laminated orthotropic rectangular plates with viscoelastic interfaces. Acta Mechanica Solida Sinica, 2006, 19, 181-188.	1.0	11
303	Two-dimensional thermoelasticity solution for functionally graded thick beams. Science in China Series G: Physics, Mechanics and Astronomy, 2006, 49, 451-460.	0.2	24
304	Electro-mechanical response of functionally graded beams with imperfectly integrated surface piezoelectric layers. Science in China Series G: Physics, Mechanics and Astronomy, 2006, 49, 513-525.	0.2	10
305	Comment on "Exact Dynamic Analysis of Space Structures Using Timoshenko Beam Theory". AIAA Journal, 2006, 44, 1372-1373.	1.5	6
306	On free vibration of non-homogeneous transversely isotropic magneto-electro-elastic plates. Journal of Sound and Vibration, 2005, 279, 237-251.	2.1	182

#	ARTICLE	IF	CITATIONS
307	Analytical solutions for single- and multi-span functionally graded plates in cylindrical bending. <i>International Journal of Solids and Structures</i> , 2005, 42, 6433-6456.	1.3	38
308	Point temperature solution for a penny-shaped crack in an infinite transversely isotropic thermo-piezo-elastic medium. <i>Engineering Analysis With Boundary Elements</i> , 2005, 29, 524-532.	2.0	56
309	3D free vibration analysis of cross-ply laminated plates with one pair of opposite edges simply supported. <i>Composite Structures</i> , 2005, 69, 77-87.	3.1	76
310	Green's functions for two-phase transversely isotropic magneto-electro-elastic media. <i>Engineering Analysis With Boundary Elements</i> , 2005, 29, 551-561.	2.0	62
311	Benchmark solution of angle-ply piezoelectric-laminated cylindrical panels in cylindrical bending with weak interfaces. <i>Archive of Applied Mechanics</i> , 2005, 74, 466-476.	1.2	26
312	Axisymmetric buckling of transversely isotropic circular and annular plates. <i>Archive of Applied Mechanics</i> , 2005, 74, 692-703.	1.2	9
313	3D point force solution for a permeable penny-shaped crack embedded in an infinite transversely isotropic piezoelectric medium. <i>International Journal of Fracture</i> , 2005, 131, 231-246.	1.1	38
314	Free vibration of orthotropic functionally graded beams with various end conditions. <i>Structural Engineering and Mechanics</i> , 2005, 20, 465-476.	1.0	38
315	Benchmark Solution of Laminated Beams with Bonding Imperfections. <i>AIAA Journal</i> , 2004, 42, 426-429.	1.5	26
316	Stresses in rotating cross-ply laminated hollow cylinders with arbitrary thickness. <i>Journal of Strain Analysis for Engineering Design</i> , 2004, 39, 437-445.	1.0	11
317	Potential theory method for 3D crack and contact problems of multi-field coupled media: A survey. <i>Journal of Zhejiang University: Science A</i> , 2004, 5, 1009-1021.	1.3	26
318	Time-dependent response of laminated isotropic strips with viscoelastic interfaces. <i>Journal of Zhejiang University: Science A</i> , 2004, 5, 1318-1321.	1.3	12
319	Elastodynamic solution for spherically symmetric problems of a multilayered hollow sphere. <i>Archive of Applied Mechanics</i> , 2004, 73, 753-768.	1.2	12
320	Three-dimensional vibration analysis of fluid-filled orthotropic FGM cylindrical shells. <i>International Journal of Mechanical Sciences</i> , 2004, 46, 159-171.	3.6	125
321	Free vibration analysis of generally laminated beams via state-space-based differential quadrature. <i>Composite Structures</i> , 2004, 63, 417-425.	3.1	112
322	General solution for transversely isotropic magneto-electro-thermo-elasticity and the potential theory method. <i>International Journal of Engineering Science</i> , 2004, 42, 1361-1379.	2.7	167
323	On three-dimensional elastic problems of one-dimensional hexagonal quasicrystal bodies. <i>Mechanics Research Communications</i> , 2004, 31, 633-641.	1.0	71
324	Thermoelastic field of a transversely isotropic elastic medium containing a penny-shaped crack: exact fundamental solution. <i>International Journal of Solids and Structures</i> , 2004, 41, 69-83.	1.3	74

#	ARTICLE	IF	CITATIONS
325	3D free vibration analysis of a functionally graded piezoelectric hollow cylinder filled with compressible fluid. <i>International Journal of Solids and Structures</i> , 2004, 41, 947-964.	1.3	174
326	Three-dimensional analysis of cross-ply laminated cylindrical panels with weak interfaces. <i>International Journal of Solids and Structures</i> , 2004, 41, 2429-2446.	1.3	59
327	Exact three-dimensional solutions of laminated orthotropic piezoelectric rectangular plates featuring interlaminar bonding imperfections modeled by a general spring layer. <i>International Journal of Solids and Structures</i> , 2004, 41, 5247-5263.	1.3	85
328	Three-dimensional exact analysis of angle-ply laminates in cylindrical bending with interfacial damage via state-space method. <i>Composite Structures</i> , 2004, 64, 275-283.	3.1	81
329	Exact solution of angle-ply piezoelectric laminates in cylindrical bending with interfacial imperfections. <i>Composite Structures</i> , 2004, 65, 329-337.	3.1	57
330	A mixed method for bending and free vibration of beams resting on a Pasternak elastic foundation. <i>Applied Mathematical Modelling</i> , 2004, 28, 877-890.	2.2	128
331	Analytical solution for the electroelastic dynamics of a nonhomogeneous spherically isotropic piezoelectric hollow sphere. <i>Archive of Applied Mechanics</i> , 2003, 73, 49-62.	1.2	42
332	Alternative state space formulations for magnetoelectric thermoelasticity with transverse isotropy and the application to bending analysis of nonhomogeneous plates. <i>International Journal of Solids and Structures</i> , 2003, 40, 5689-5705.	1.3	74
333	A solution of a non-homogeneous orthotropic cylindrical shell for axisymmetric plane strain dynamic thermoelastic problems. <i>Journal of Sound and Vibration</i> , 2003, 263, 815-829.	2.1	62
334	Elasticity solution for free vibration of laminated beams. <i>Composite Structures</i> , 2003, 62, 75-82.	3.1	141
335	Exact Solutions of Cross-Ply Laminates with Bonding Imperfections. <i>AIAA Journal</i> , 2003, 41, 2244-2250.	1.5	81
336	Transient Responses in a Piezoelectric Spherically Isotropic Hollow Sphere for Symmetric Problems. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2003, 70, 436-445.	1.1	24
337	On Stress-Focusing Effect in a Uniformly Heated Solid Sphere. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2003, 70, 304-309.	1.1	7
338	Three-dimensional analysis of a thick FGM rectangular plate in thermal environment. <i>Journal of Zhejiang University Science B</i> , 2003, 4, 1.	0.4	39
339	FREE VIBRATIONS OF FUNCTIONALLY GRADED PIEZOCERAMIC HOLLOW SPHERES WITH RADIAL POLARIZATION. <i>Journal of Sound and Vibration</i> , 2002, 251, 103-114.	2.1	66
340	Analytical thermo-elastodynamic solutions for a nonhomogeneous transversely isotropic hollow sphere. <i>Archive of Applied Mechanics</i> , 2002, 72, 545-553.	1.2	14
341	3D electroelastic fields in a functionally graded piezoceramic hollow sphere under mechanical and electric loadings. <i>Archive of Applied Mechanics</i> , 2002, 72, 39-51.	1.2	38
342	On free vibration of a functionally graded piezoelectric rectangular plate. <i>Acta Mechanica</i> , 2002, 153, 207-216.	1.1	117

#	ARTICLE	IF	CITATIONS
343	A State-Space-Based Stress Analysis of a Multilayered Spherical Shell With Spherical Isotropy. Journal of Applied Mechanics, Transactions ASME, 2001, 68, 109-114.	1.1	25
344	An antisymmetric problem of a penny-shaped crack in a piezoelectric medium. Archive of Applied Mechanics, 2001, 71, 63-73.	1.2	13
345	A uniformly heated functionally graded cylindrical shell with transverse isotropy. Mechanics Research Communications, 2001, 28, 535-542.	1.0	31
346	Free vibration of multi-layered spherically isotropic hollow spheres. International Journal of Mechanical Sciences, 2001, 43, 667-680.	3.6	66
347	Three-dimensional static analysis of multi-layered piezoelectric hollow spheres via the state space method. International Journal of Solids and Structures, 2001, 38, 4921-4936.	1.3	45
348	Title is missing!. Applied Mathematics and Mechanics (English Edition), 2001, 22, 17-24.	1.9	13
349	Free vibration analysis of laminated piezoceramic hollow spheres. Journal of the Acoustical Society of America, 2001, 109, 41-50.	0.5	26
350	Reply to "Comment on "Free vibration analysis of laminated piezoceramic hollow spheres [J. Acoust. Soc. Am.109, 41 (2001)]" Journal of the Acoustical Society of America, 2001, 110, 1190-1190.	0.5	0
351	EXACT SOLUTION OF AN EXTERNAL CIRCULAR CRACK IN A PIEZOELECTRIC SOLID SUBJECTED TO SHEAR LOADING. Journal of Zhejiang University Science B, 2001, 2, 9.	0.4	11
352	On piezoelastic contact problem for a smooth punch. International Journal of Solids and Structures, 2000, 37, 2331-2340.	1.3	83
353	Complete and exact solutions of a penny-shaped crack in a piezoelectric solid: antisymmetric shear loadings. International Journal of Solids and Structures, 2000, 37, 2603-2619.	1.3	52
354	New state space formulations for transversely isotropic piezoelectricity with application. Mechanics Research Communications, 2000, 27, 319-326.	1.0	41
355	Stress distribution in a rotating elastic functionally graded material hollow sphere with spherical isotropy. Journal of Strain Analysis for Engineering Design, 2000, 35, 13-20.	1.0	25
356	On the General Solution for Piezothermoelasticity for Transverse Isotropy With Application. Journal of Applied Mechanics, Transactions ASME, 2000, 67, 705-711.	1.1	57
357	On Eigenfrequencies of an Anisotropic Sphere. Journal of Applied Mechanics, Transactions ASME, 2000, 67, 422-424.	1.1	15
358	Free Vibrations of Transversely Isotropic Cylindrical Panels on Pasternak Foundation. Journal of Engineering Mechanics - ASCE, 1999, 125, 1222-1225.	1.6	1
359	Free vibration of a fluid-filled hollow sphere of a functionally graded material with spherical isotropy. Journal of the Acoustical Society of America, 1999, 106, 2588-2594.	0.5	34
360	Natural frequencies of a fluid-filled anisotropic spherical shell. Journal of the Acoustical Society of America, 1999, 105, 174-182.	0.5	21

#	ARTICLE	IF	CITATIONS
361	Fundamental solution for a penny-shaped crack in a piezoelectric medium. Journal of the Mechanics and Physics of Solids, 1999, 47, 1459-1475.	2.3	97
362	Natural frequencies of fluid-filled transversely isotropic cylindrical shells. International Journal of Mechanical Sciences, 1999, 41, 677-684.	3.6	37
363	Problems of radially polarized piezoelectric bodies. International Journal of Solids and Structures, 1999, 36, 4317-4332.	1.3	37
364	Green's Functions of an External Circular Crack in a Transversely Isotropic Piezoelectric Medium.. JSME International Journal Series A-Solid Mechanics and Material Engineering, 1999, 42, 73-79.	0.4	11
365	Green's functions for a piezoelectric half plane. Science in China Series D: Earth Sciences, 1998, 41, 70-75.	0.9	6
366	On exact analysis of free vibrations of embedded transversely isotropic cylindrical shells. International Journal of Pressure Vessels and Piping, 1998, 75, 961-966.	1.2	14
367	Free Vibrations of Transversely Isotropic Cylinders and Cylindrical Shells. Journal of Pressure Vessel Technology, Transactions of the ASME, 1998, 120, 321-324.	0.4	8
368	Discussion: "Toroidal Vibrations of Anisotropic Spheres With Spherical Isotropy" (Chau, K. T., 1998), <a href="#">Tj ETQq0 0,0 rgBT /Q</a> <a href="#">Overlock 1</a>	1.1	1
369	On Free Vibrations of an Embedded Anisotropic Spherical Shell. Journal of Pressure Vessel Technology, Transactions of the ASME, 1997, 119, 481-487.	0.4	10
370	Green's functions for a two-phase infinite piezoelectric plane. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1997, 453, 2241-2257.	1.0	46
371	Fundamental solutions for plane problem of piezoelectric materials. Science in China Series D: Earth Sciences, 1997, 40, 331-336.	0.9	26
372	Geometrically nonlinear refined shell theories by Carrera Unified Formulation. Mechanics of Advanced Materials and Structures, 0, , 1-21.	1.5	56
373	Supersonic wave propagation in heterogeneous solids and the evolution of energy distribution. Mechanics of Advanced Materials and Structures, 0, , 1-10.	1.5	0