

# 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	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
2	Soft Ultrathin Electronics Innervated Adaptive Fully Soft Robots. Advanced Materials, 2018, 30, e1706695.	11.1	301
3	Tunable and Active Phononic Crystals and Metamaterials. Applied Mechanics Reviews, 2020, 72, .	4.5	292
4	Two-dimensional elasticity solutions for functionally graded beams resting on elastic foundations. Composite Structures, 2008, 84, 209-219.	3.1	230
5	Comments on nonlocal effects in nano-cantilever beams. International Journal of Engineering Science, 2015, 87, 47-57.	2.7	218
6	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. Composite Structures, 2018, 189, 560-569.	3.1	196
7	Size-dependent elastic behavior of FGM ultra-thin films based on generalized refined theory. International Journal of Solids and Structures, 2009, 46, 1176-1185.	1.3	187
8	On free vibration of non-homogeneous transversely isotropic magneto-electro-elastic plates. Journal of Sound and Vibration, 2005, 279, 237-251.	2.1	182
9	3D free vibration analysis of a functionally graded piezoelectric hollow cylinder filled with compressible fluid. International Journal of Solids and Structures, 2004, 41, 947-964.	1.3	174
10	Semi-analytical elasticity solutions for bi-directional functionally graded beams. International Journal of Solids and Structures, 2008, 45, 258-275.	1.3	168
11	General solution for transversely isotropic magneto-electro-thermo-elasticity and the potential theory method. International Journal of Engineering Science, 2004, 42, 1361-1379.	2.7	167
12	Elasticity solution for free vibration of laminated beams. Composite Structures, 2003, 62, 75-82.	3.1	141
13	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
14	Theory of indentation on multiferroic composite materials. Journal of the Mechanics and Physics of Solids, 2010, 58, 1524-1551.	2.3	136
15	A mixed method for bending and free vibration of beams resting on a Pasternak elastic foundation. Applied Mathematical Modelling, 2004, 28, 877-890.	2.2	128
16	Three-dimensional vibration analysis of fluid-filled orthotropic FGM cylindrical shells. International Journal of Mechanical Sciences, 2004, 46, 159-171.	3.6	125
17	On free vibration of a functionally graded piezoelectric rectangular plate. Acta Mechanica, 2002, 153, 207-216.	1.1	117
18	Free vibration analysis of generally laminated beams via state-space-based differential quadrature. Composite Structures, 2004, 63, 417-425.	3.1	112

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19	Elasticity solutions for plane anisotropic functionally graded beams. <i>International Journal of Solids and Structures</i> , 2007, 44, 176-196.	1.3	105
20	Benchmark solutions for functionally graded thick plates resting on Winkler–Pasternak elastic foundations. <i>Composite Structures</i> , 2008, 85, 95-104.	3.1	105
21	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
22	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
23	Analytical solution for functionally graded magneto-electro-elastic plane beams. <i>International Journal of Engineering Science</i> , 2007, 45, 467-485.	2.7	101
24	Elastic mechanical behavior of nano-scaled FGM films incorporating surface energies. <i>Composites Science and Technology</i> , 2009, 69, 1124-1130.	3.8	100
25	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
26	Fundamental solution for a penny-shaped crack in a piezoelectric medium. <i>Journal of the Mechanics and Physics of Solids</i> , 1999, 47, 1459-1475.	2.3	97
27	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
28	The reverberation-ray matrix and transfer matrix analyses of unidirectional wave motion. <i>Wave Motion</i> , 2007, 44, 419-438.	1.0	91
29	Three-dimensional analytical solution for functionally graded magneto-electro-elastic circular plates subjected to uniform load. <i>Composite Structures</i> , 2008, 83, 381-390.	3.1	90
30	Free vibration of FGM plates with in-plane material inhomogeneity. <i>Composite Structures</i> , 2010, 92, 1047-1051.	3.1	90
31	Programmable and scalable transfer printing with high reliability and efficiency for flexible inorganic electronics. <i>Science Advances</i> , 2020, 6, eabb2393.	4.7	88
32	Elasticity solutions for a transversely isotropic functionally graded circular plate subject to an axisymmetric transverse load. <i>International Journal of Solids and Structures</i> , 2008, 45, 191-210.	1.3	87
33	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
34	On piezoelastic contact problem for a smooth punch. <i>International Journal of Solids and Structures</i> , 2000, 37, 2331-2340.	1.3	83
35	An analysis of PN junctions in piezoelectric semiconductors. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	82
36	Exact Solutions of Cross-Ply Laminates with Bonding Imperfections. <i>AIAA Journal</i> , 2003, 41, 2244-2250.	1.5	81

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37	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
38	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
39	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
40	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
41	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
42	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
43	Dynamic analysis of space structures with multiple tuned mass dampers. <i>Engineering Structures</i> , 2007, 29, 3390-3403.	2.6	72
44	On three-dimensional elastic problems of one-dimensional hexagonal quasicrystal bodies. <i>Mechanics Research Communications</i> , 2004, 31, 633-641.	1.0	71
45	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
46	Free vibration of multi-layered spherically isotropic hollow spheres. <i>International Journal of Mechanical Sciences</i> , 2001, 43, 667-680.	3.6	66
47	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
48	On propagation of anti-plane shear waves in piezoelectric plates with surface effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3281-3286.	0.9	66
49	Two-dimensional theory of piezoelectric plates considering surface effect. <i>European Journal of Mechanics, A/Solids</i> , 2013, 41, 50-57.	2.1	66
50	On functionally graded beams with integrated surface piezoelectric layers. <i>Composite Structures</i> , 2006, 72, 339-351.	3.1	65
51	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
52	Broadband topological valley transport of elastic wave in reconfigurable phononic crystal plate. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	64
53	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
54	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

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55	On shear bond strength of FRP-concrete structures. <i>Engineering Structures</i> , 2010, 32, 897-905.	2.6	62
56	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
57	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
58	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
59	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
60	Wrinkles in soft dielectric plates. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 119, 298-318.	2.3	58
61	On the General Solution for Piezothermoelasticity for Transverse Isotropy With Application. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2000, 67, 705-711.	1.1	57
62	Exact solution of angle-ply piezoelectric laminates in cylindrical bending with interfacial imperfections. <i>Composite Structures</i> , 2004, 65, 329-337.	3.1	57
63	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
64	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
65	Geometrically nonlinear refined shell theories by Carrera Unified Formulation. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-21.	1.5	56
66	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
67	Complete and exact solutions of a penny-shaped crack in a piezoelectric solid: antisymmetric shear loadings. <i>International Journal of Solids and Structures</i> , 2000, 37, 2603-2619.	1.3	52
68	Harvesting magnetic energy using extensional vibration of laminated magnetoelectric plates. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	52
69	Electrical behaviors of a piezoelectric semiconductor fiber under a local temperature change. <i>Nano Energy</i> , 2019, 66, 104081.	8.2	51
70	Static analysis of anisotropic functionally graded magneto-electro-elastic beams subjected to arbitrary loading. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 356-369.	2.1	50
71	Modulus prediction of asphalt concrete with imperfect bonding between aggregate“asphalt mastic. <i>Composites Part B: Engineering</i> , 2011, 42, 1404-1411.	5.9	50
72	Actively tunable transverse waves in soft membrane-type acoustic metamaterials. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	50

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73	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
74	Mechanics of reversible adhesion. <i>Soft Matter</i> , 2011, 7, 8657.	1.2	47
75	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
76	Green's functions for a two-phase infinite piezoelectric plane. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 1997, 453, 2241-2257.	1.0	46
77	Enhancing magnetoelectric effect via the curvature of composite cylinder. <i>Journal of Applied Physics</i> , 2010, 107, 093514.	1.1	46
78	Low-frequency tunable topological interface states in soft phononic crystal cylinders. <i>International Journal of Mechanical Sciences</i> , 2021, 191, 106098.	3.6	46
79	Three-dimensional static analysis of multi-layered piezoelectric hollow spheres via the state space method. <i>International Journal of Solids and Structures</i> , 2001, 38, 4921-4936.	1.3	45
80	Piezoelasticity solutions for functionally graded piezoelectric beams. <i>Smart Materials and Structures</i> , 2007, 16, 687-695.	1.8	44
81	Dynamic analysis of space frames: The method of reverberation-ray matrix and the orthogonality of normal modes. <i>Journal of Sound and Vibration</i> , 2008, 317, 716-738.	2.1	44
82	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
83	Structural Health Monitoring Using High-Frequency Electromechanical Impedance Signatures. <i>Advances in Civil Engineering</i> , 2010, 2010, 1-11.	0.4	43
84	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
85	Anti-plane shear Green's functions for an isotropic elastic half-space with a material surface. <i>International Journal of Solids and Structures</i> , 2010, 47, 1641-1650.	1.3	42
86	Propagation of extensional waves in a piezoelectric semiconductor rod. <i>AIP Advances</i> , 2016, 6, .	0.6	42
87	Actively controllable topological phase transition in phononic beam systems. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105668.	3.6	42
88	New state space formulations for transversely isotropic piezoelasticity with application. <i>Mechanics Research Communications</i> , 2000, 27, 319-326.	1.0	41
89	Semi-analytical solution for orthotropic piezoelectric laminates in cylindrical bending with interfacial imperfections. <i>Composite Structures</i> , 2010, 92, 1009-1018.	3.1	41
90	Dynamic analysis of partial-interaction composite beams. <i>Composites Science and Technology</i> , 2011, 71, 1286-1294.	3.8	41

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91	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
92	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
93	Mechanical Manipulation of Silicon-based Schottky Diodes via Flexoelectricity. <i>Nano Energy</i> , 2021, 83, 105855.	8.2	41
94	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
95	A wideband magnetic energy harvester. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	40
96	Enhancing magnetoelectric effect in multiferroic composite bilayers via flexoelectricity. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	40
97	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
98	Plane analysis for functionally graded magneto-electro-elastic materials via the symplectic framework. <i>Composite Structures</i> , 2010, 92, 1753-1761.	3.1	39
99	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
100	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
101	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
102	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
103	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
104	Free vibration of orthotropic functionally graded beams with various end conditions. <i>Structural Engineering and Mechanics</i> , 2005, 20, 465-476.	1.0	38
105	Natural frequencies of fluid-filled transversely isotropic cylindrical shells. <i>International Journal of Mechanical Sciences</i> , 1999, 41, 677-684.	3.6	37
106	Problems of radially polarized piezoelectric bodies. <i>International Journal of Solids and Structures</i> , 1999, 36, 4317-4332.	1.3	37
107	Elastodynamic theory of framed structures and reverberation-ray matrix analysis. <i>Acta Mechanica</i> , 2009, 204, 61-79.	1.1	37
108	Elasticity solution for an FGM cylindrical panel integrated with piezoelectric layers. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 714-723.	2.1	37

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109	The magnetoelectric effects in multiferroic composite nanofibers. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	36
110	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
111	Surface effect on Bleustein-Gulyaev wave in a piezoelectric half-space. <i>Theoretical and Applied Mechanics Letters</i> , 2011, 1, 041001.	1.3	35
112	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
113	Free vibration of a fluid-filled hollow sphere of a functionally graded material with spherical isotropy. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 2588-2594.	0.5	34
114	A strain-isolation design for stretchable electronics. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2010, 26, 881-888.	1.5	34
115	Nonlinear Responses of Nanoscale FGM Films Including the Effects of Surface Energies. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1321-1327.	1.1	34
116	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
117	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
118	Electromechanical Fields Near a Circular PN Junction Between Two Piezoelectric Semiconductors. <i>Acta Mechanica Solida Sinica</i> , 2018, 31, 127-140.	1.0	34
119	Fast multipole boundary element analysis for 2D problems of magneto-electro-elastic media. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 927-933.	2.0	33
120	General steady-state solutions for transversely isotropic thermoporoelastic media in three dimensions and its application. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 317-326.	2.1	32
121	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
122	Two-dimensional theory of piezoelectric shells considering surface effect. <i>European Journal of Mechanics, A/Solids</i> , 2014, 43, 109-117.	2.1	32
123	A uniformly heated functionally graded cylindrical shell with transverse isotropy. <i>Mechanics Research Communications</i> , 2001, 28, 535-542.	1.0	31
124	An electro-mechanical impedance model of a cracked composite beam with adhesively bonded piezoelectric patches. <i>Journal of Sound and Vibration</i> , 2011, 330, 287-307.	2.1	31
125	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
126	Axisymmetric elasticity solutions for a uniformly loaded annular plate of transversely isotropic functionally graded materials. <i>Acta Mechanica</i> , 2008, 196, 139-159.	1.1	30



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127	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
128	Stretchable, Multifunctional Epidermal Sensor Patch for Surface Electromyography and Strain Measurements. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100031.	3.3	30
129	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
130	Three-dimensional analytical solution for a rotating disc of functionally graded materials with transverse isotropy. <i>Archive of Applied Mechanics</i> , 2007, 77, 241-251.	1.2	29
131	Influence of Initial Residual Stress on Growth and Pattern Creation for a Layered Aorta. <i>Scientific Reports</i> , 2019, 9, 8232.	1.6	29
132	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
133	Prescribing patterns in growing tubular soft matter by initial residual stress. <i>Soft Matter</i> , 2019, 15, 8468-8474.	1.2	29
134	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
135	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
136	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
137	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
138	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
139	Tunable Two-Way Unidirectional Acoustic Diodes: Design and Simulation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019, 86, .	1.1	28
140	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
141	3D analytical solution for a functionally graded transversely isotropic piezoelectric circular plate under tension and bending. <i>International Journal of Engineering Science</i> , 2011, 49, 664-676.	2.7	27
142	Waves in pre-stretched incompressible soft electroactive cylinders: exact solution. <i>Acta Mechanica Solida Sinica</i> , 2012, 25, 530-541.	1.0	27
143	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
144	Bending of a Cantilever Piezoelectric Semiconductor Fiber Under an End Force. <i>Advanced Structured Materials</i> , 2018, , 261-278.	0.3	27

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145	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
146	Fundamental solutions for plane problem of piezoelectric materials. <i>Science in China Series D: Earth Sciences</i> , 1997, 40, 331-336.	0.9	26
147	Free vibration analysis of laminated piezoceramic hollow spheres. <i>Journal of the Acoustical Society of America</i> , 2001, 109, 41-50.	0.5	26
148	Benchmark Solution of Laminated Beams with Bonding Imperfections. <i>AIAA Journal</i> , 2004, 42, 426-429.	1.5	26
149	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
150	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
151	Recursive formulae for wave propagation analysis of FGM elastic plates via reverberation-ray matrix method. <i>Composite Structures</i> , 2011, 93, 259-270.	3.1	26
152	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
153	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
154	Stress distribution in a rotating elastic functionally graded material hollow sphere with spherical isotropy. <i>Journal of Strain Analysis for Engineering Design</i> , 2000, 35, 13-20.	1.0	25
155	A State-Space-Based Stress Analysis of a Multilayered Spherical Shell With Spherical Isotropy. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2001, 68, 109-114.	1.1	25
156	Elasticity solutions for functionally graded plates in cylindrical bending. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2008, 29, 999-1004.	1.9	25
157	One-dimensional equations for piezoelectromagnetic beams and magnetoelectric effects in fibers. <i>Smart Materials and Structures</i> , 2009, 18, 095026.	1.8	25
158	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
159	Two-dimensional thermoelasticity solution for functionally graded thick beams. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2006, 49, 451-460.	0.2	24
160	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
161	Mechanics of dielectric elastomers: materials, structures, and devices. <i>Journal of Zhejiang University: Science A</i> , 2016, 17, 1-21.	1.3	24
162	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

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