

Wei-qiu Chen

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341
papers

9,302
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49
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77
g-index

380
ext. papers

10,736
ext. citations

3.5
avg, IF

6.76
L-index

#	Paper	IF	Citations
341	Microstructured elastomeric surfaces with reversible adhesion and examples of their use in deterministic assembly by transfer printing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17095-100	11.5	280
340	Two-dimensional elasticity solutions for functionally graded beams resting on elastic foundations. <i>Composite Structures</i> , 2008 , 84, 209-219	5.3	200
339	Soft Ultrathin Electronics Innervated Adaptive Fully Soft Robots. <i>Advanced Materials</i> , 2018 , 30, e17066954	5.4	197
338	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	3.1	181
337	Comments on nonlocal effects in nano-cantilever beams. <i>International Journal of Engineering Science</i> , 2015 , 87, 47-57	5.7	169
336	On free vibration of non-homogeneous transversely isotropic magneto-electro-elastic plates. <i>Journal of Sound and Vibration</i> , 2005 , 279, 237-251	3.9	160
335	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	3.1	158
334	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	5.7	152
333	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	5.3	149
332	Semi-analytical elasticity solutions for bi-directional functionally graded beams. <i>International Journal of Solids and Structures</i> , 2008 , 45, 258-275	3.1	140
331	Tunable and Active Phononic Crystals and Metamaterials. <i>Applied Mechanics Reviews</i> , 2020 , 72,	8.6	131
330	Elasticity solution for free vibration of laminated beams. <i>Composite Structures</i> , 2003 , 62, 75-82	5.3	126
329	Three-dimensional vibration analysis of fluid-filled orthotropic FGM cylindrical shells. <i>International Journal of Mechanical Sciences</i> , 2004 , 46, 159-171	5.5	117
328	Theory of indentation on multiferroic composite materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2010 , 58, 1524-1551	5	116
327	On free vibration of a functionally graded piezoelectric rectangular plate. <i>Acta Mechanica</i> , 2002 , 153, 207-216	2.1	99
326	Elasticity solutions for plane anisotropic functionally graded beams. <i>International Journal of Solids and Structures</i> , 2007 , 44, 176-196	3.1	98
325	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	4.5	96

324	Free vibration analysis of generally laminated beams via state-space-based differential quadrature. <i>Composite Structures</i> , 2004 , 63, 417-425	5.3	95
323	Elastic mechanical behavior of nano-scaled FGM films incorporating surface energies. <i>Composites Science and Technology</i> , 2009 , 69, 1124-1130	8.6	92
322	Benchmark solutions for functionally graded thick plates resting on Winkler-Pasternak elastic foundations. <i>Composite Structures</i> , 2008 , 85, 95-104	5.3	91
321	Fundamental solution for a penny-shaped crack in piezoelectric medium. <i>Journal of the Mechanics and Physics of Solids</i> , 1999 , 47, 1459-1475	5	86
320	Semi-analytical analysis for multi-directional functionally graded plates: 3-D elasticity solutions. <i>International Journal for Numerical Methods in Engineering</i> , 2009 , 79, 25-44	2.4	85
319	Analytical solution for functionally graded magneto-electro-elastic plane beams. <i>International Journal of Engineering Science</i> , 2007 , 45, 467-485	5.7	85
318	An analysis of the extension of a ZnO piezoelectric semiconductor nanofiber under an axial force. <i>Smart Materials and Structures</i> , 2017 , 26, 025030	3.4	84
317	Elasticity solutions for a transversely isotropic functionally graded circular plate subject to an axisymmetric transverse load $q(r)$. <i>International Journal of Solids and Structures</i> , 2008 , 45, 191-210	3.1	84
316	Three-dimensional analytical solution for functionally graded magneto-electro-elastic circular plates subjected to uniform load. <i>Composite Structures</i> , 2008 , 83, 381-390	5.3	79
315	Free vibration of FGM plates with in-plane material inhomogeneity. <i>Composite Structures</i> , 2010 , 92, 1047-1051	5.5	77
314	Exact Solutions of Cross-Ply Laminates with Bonding Imperfections. <i>AIAA Journal</i> , 2003 , 41, 2244-2250	2.1	75
313	On piezoelectric contact problem for a smooth punch. <i>International Journal of Solids and Structures</i> , 2000 , 37, 2331-2340	3.1	74
312	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	5.3	72
311	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	3.1	69
310	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	5.3	68
309	Alternative state space formulations for magnetoelastic 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	3.1	66
308	The reverberation-ray matrix and transfer matrix analyses of unidirectional wave motion. <i>Wave Motion</i> , 2007 , 44, 419-438	1.8	65
307	Free vibration of multi-layered spherically isotropic hollow spheres. <i>International Journal of Mechanical Sciences</i> , 2001 , 43, 667-680	5.5	63

306	Dynamic analysis of space structures with multiple tuned mass dampers. <i>Engineering Structures</i> , 2007 , 29, 3390-3403	4.7	62
305	On three-dimensional elastic problems of one-dimensional hexagonal quasicrystal bodies. <i>Mechanics Research Communications</i> , 2004 , 31, 633-641	2.2	61
304	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	3.7	60
303	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	3.1	60
302	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	24	58
301	Exact solution of angle-ply piezoelectric laminates in cylindrical bending with interfacial imperfections. <i>Composite Structures</i> , 2004 , 65, 329-337	5.3	55
300	Tunable bandgaps in soft phononic plates with spring-mass-like resonators. <i>International Journal of Mechanical Sciences</i> , 2019 , 151, 300-313	5.5	55
299	Three-dimensional analysis of cross-ply laminated cylindrical panels with weak interfaces. <i>International Journal of Solids and Structures</i> , 2004 , 41, 2429-2446	3.1	54
298	Two-dimensional theory of piezoelectric plates considering surface effect. <i>European Journal of Mechanics, A/Solids</i> , 2013 , 41, 50-57	3.7	53
297	On functionally graded beams with integrated surface piezoelectric layers. <i>Composite Structures</i> , 2006 , 72, 339-351	5.3	51
296	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	2.6	51
295	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	2.3	50
294	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	3.9	50
293	Green's functions for two-phase transversely isotropic magneto-electro-elastic media. <i>Engineering Analysis With Boundary Elements</i> , 2005 , 29, 551-561	2.6	50
292	Piezotronic effects in the extension of a composite fiber of piezoelectric dielectrics and nonpiezoelectric semiconductors. <i>Journal of Applied Physics</i> , 2018 , 124, 064506	2.5	49
291	An analysis of PN junctions in piezoelectric semiconductors. <i>Journal of Applied Physics</i> , 2017 , 122, 204502.5	2.5	49
290	Free vibrations of the partial-interaction composite members with axial force. <i>Journal of Sound and Vibration</i> , 2007 , 299, 1074-1093	3.9	49
289	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	3.1	49

288	Static Green's Functions in Anisotropic Media 2025 ,		48
287	Harvesting magnetic energy using extensional vibration of laminated magnetoelectric plates. <i>Applied Physics Letters</i> , 2009 , 95, 013511	3.4	47
286	FREE VIBRATIONS OF FUNCTIONALLY GRADED PIEZOCERAMIC HOLLOW SPHERES WITH RADIAL POLARIZATION. <i>Journal of Sound and Vibration</i> , 2002 , 251, 103-114	3.9	47
285	On the General Solution for Piezothermoelasticity for Transverse Isotropy With Application. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2000 , 67, 705-711	2.7	47
284	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	5	46
283	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	1.8	46
282	On shear bond strength of FRP-concrete structures. <i>Engineering Structures</i> , 2010 , 32, 897-905	4.7	45
281	Wrinkles in soft dielectric plates. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 119, 298-318	5	45
280	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	3.7	43
279	Actively controllable topological phase transition in homogeneous piezoelectric rod system. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 137, 103824	5	43
278	Enhancing magnetoelectric effect via the curvature of composite cylinder. <i>Journal of Applied Physics</i> , 2010 , 107, 093514	2.5	42
277	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	3.9	41
276	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	3.1	41
275	Mechanics of reversible adhesion. <i>Soft Matter</i> , 2011 , 7, 8657	3.6	40
274	Modulus prediction of asphalt concrete with imperfect bonding between aggregate-asphalt mastic. <i>Composites Part B: Engineering</i> , 2011 , 42, 1404-1411	10	39
273	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	2.4	39
272	Piezoelectricity solutions for functionally graded piezoelectric beams. <i>Smart Materials and Structures</i> , 2007 , 16, 687-695	3.4	39
271	Tuning Elastic Waves in Soft Phononic Crystal Cylinders Via Large Deformation and Electromechanical Coupling. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018 , 85,	2.7	39

- 270 Two-dimensional analysis of magnetoelectric effects in multiferroic laminated plates. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2009**, 56, 1046-53 3.2 38
- 269 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 3.1 38
- 268 Three-dimensional analysis of a thick FGM rectangular plate in thermal environment. *Journal of Zhejiang University Science B*, **2003**, 4, 1-7 37
- 267 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 17.1 37
- 266 A wideband magnetic energy harvester. *Applied Physics Letters*, **2010**, 96, 123507 3.4 36
- 265 Semi-analytical solution for orthotropic piezoelectric laminates in cylindrical bending with interfacial imperfections. *Composite Structures*, **2010**, 92, 1009-1018 5.3 36
- 264 Analytical solution for the electroelastic dynamics of a nonhomogeneous spherically isotropic piezoelectric hollow sphere. *Archive of Applied Mechanics*, **2003**, 73, 49-62 2.2 36
- 263 New state space formulations for transversely isotropic piezoelectricity with application. *Mechanics Research Communications*, **2000**, 27, 319-326 2.2 36
- 262 Programmable and scalable transfer printing with high reliability and efficiency for flexible inorganic electronics. *Science Advances*, **2020**, 6, eabb2393 14.3 35
- 261 Analytical solutions for single- and multi-span functionally graded plates in cylindrical bending. *International Journal of Solids and Structures*, **2005**, 42, 6433-6456 3.1 35
- 260 The magnetoelectric effects in multiferroic composite nanofibers. *Applied Physics Letters*, **2009**, 94, 102907 3.4 34
- 259 Guided wave propagation in multilayered piezoelectric structures **2009**, 52, 1094-1104 34
- 258 Plane analysis for functionally graded magneto-electro-elastic materials via the symplectic framework. *Composite Structures*, **2010**, 92, 1753-1761 5.3 34
- 257 3D electroelastic fields in a functionally graded piezoceramic hollow sphere under mechanical and electric loadings. *Archive of Applied Mechanics*, **2002**, 72, 39-51 2.2 34
- 256 Problems of radially polarized piezoelectric bodies. *International Journal of Solids and Structures*, **1999**, 36, 4317-4332 3.1 34
- 255 Free vibration of orthotropic functionally graded beams with various end conditions. *Structural Engineering and Mechanics*, **2005**, 20, 465-476 34
- 254 Elastodynamic theory of framed structures and reverberation-ray matrix analysis. *Acta Mechanica*, **2009**, 204, 61-79 2.1 33
- 253 Elasticity solution for an FGM cylindrical panel integrated with piezoelectric layers. *European Journal of Mechanics, A/Solids*, **2010**, 29, 714-723 3.7 33

252	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	2.3	33
251	Nonlinear Responses of Nanoscale FGM Films Including the Effects of Surface Energies. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 1321-1327	2.6	32
250	Natural frequencies of fluid-filled transversely isotropic cylindrical shells. <i>International Journal of Mechanical Sciences</i> , 1999 , 41, 677-684	5.5	32
249	Voltage-controlled quantum valley Hall effect in dielectric membrane-type acoustic metamaterials. <i>International Journal of Mechanical Sciences</i> , 2020 , 172, 105368	5.5	32
248	On propagation of axisymmetric waves in pressurized functionally graded elastomeric hollow cylinders. <i>Journal of Sound and Vibration</i> , 2018 , 421, 17-47	3.9	31
247	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	3.6	30
246	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	5.3	30
245	Actively tunable transverse waves in soft membrane-type acoustic metamaterials. <i>Journal of Applied Physics</i> , 2018 , 123, 165304	2.5	30
244	Mechanics of indentation for piezoelectric thin films on elastic substrate. <i>International Journal of Solids and Structures</i> , 2012 , 49, 95-110	3.1	30
243	Elasticity solutions for functionally graded rectangular plates with two opposite edges simply supported. <i>Applied Mathematical Modelling</i> , 2012 , 36, 488-503	4.5	30
242	Structural Health Monitoring Using High-Frequency Electromechanical Impedance Signatures. <i>Advances in Civil Engineering</i> , 2010 , 2010, 1-11	1.3	30
241	Geometrically nonlinear refined shell theories by Carrera Unified Formulation. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 1-21	1.8	30
240	A uniformly heated functionally graded cylindrical shell with transverse isotropy. <i>Mechanics Research Communications</i> , 2001 , 28, 535-542	2.2	29
239	Harnessing inclusions to tune post-buckling deformation and bandgaps of soft porous periodic structures. <i>Journal of Sound and Vibration</i> , 2019 , 459, 114848	3.9	28
238	Dynamic analysis of partial-interaction composite beams. <i>Composites Science and Technology</i> , 2011 , 71, 1286-1294	8.6	28
237	Fast multipole boundary element analysis for 2D problems of magneto-electro-elastic media. <i>Engineering Analysis With Boundary Elements</i> , 2010 , 34, 927-933	2.6	28
236	Enhancing magnetoelectric effect in multiferroic composite bilayers via flexoelectricity. <i>Journal of Applied Physics</i> , 2016 , 119, 134102	2.5	28
235	Electrical behaviors of a piezoelectric semiconductor fiber under a local temperature change. <i>Nano Energy</i> , 2019 , 66, 104081	17.1	27

234	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	3.9	27
233	Surface effect on Bleustein-Gulyaev wave in a piezoelectric half-space. <i>Theoretical and Applied Mechanics Letters</i> , 2011 , 1, 041001	1.8	27
232	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	1.8	27
231	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	2.2	27
230	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	2	26
229	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	5.5	25
228	A strain-isolation design for stretchable electronics. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2010 , 26, 881-888		25
227	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	3.7	25
226	Axisymmetric elasticity solutions for a uniformly loaded annular plate of transversely isotropic functionally graded materials. <i>Acta Mechanica</i> , 2008 , 196, 139-159	2.1	25
225	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, 1009-21	2.1	25
224	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	2.2	25
223	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	2.4	24
222	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	2.2	24
221	Benchmark Solution of Laminated Beams with Bonding Imperfections. <i>AIAA Journal</i> , 2004 , 42, 426-429	2.1	24
220	Exact solutions for free vibrations of axially inhomogeneous Timoshenko beams with variable cross section. <i>Acta Mechanica</i> , 2016 , 227, 2625-2643	2.1	24
219	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	5	24
218	Electromechanical Fields Near a Circular PN Junction Between Two Piezoelectric Semiconductors. <i>Acta Mechanica Solida Sinica</i> , 2018 , 31, 127-140	2	23
217	Carrier distribution and electromechanical fields in a free piezoelectric semiconductor rod. <i>Journal of Zhejiang University: Science A</i> , 2016 , 17, 37-44	2.1	23

216	Waves in pre-stretched incompressible soft electroactive cylinders: exact solution. <i>Acta Mechanica Solida Sinica</i> , 2012 , 25, 530-541	2	23
215	Fundamental solutions for plane problem of piezoelectric materials. <i>Science in China Series D: Earth Sciences</i> , 1997 , 40, 331-336		23
214	Propagation of extensional waves in a piezoelectric semiconductor rod. <i>AIP Advances</i> , 2016 , 6, 045301	1.5	23
213	Broadband topological valley transport of elastic wave in reconfigurable phononic crystal plate. <i>Applied Physics Letters</i> , 2021 , 118, 063502	3.4	23
212	Surface effects on anti-plane shear waves propagating in magneto-electro-elastic nanoplates. <i>Smart Materials and Structures</i> , 2015 , 24, 095017	3.4	22
211	An electromechanical impedance approach for quantitative damage detection in Timoshenko beams with piezoelectric patches. <i>Smart Materials and Structures</i> , 2007 , 16, 1390-1400	3.4	22
210	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	3.1	22
209	Actively controllable topological phase transition in phononic beam systems. <i>International Journal of Mechanical Sciences</i> , 2020 , 180, 105668	5.5	21
208	On wave propagation in anisotropic elastic cylinders at nanoscale: surface elasticity and its effect. <i>Acta Mechanica</i> , 2014 , 225, 2743-2760	2.1	21
207	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	2.1	21
206	Recursive formulae for wave propagation analysis of FGM elastic plates via reverberation-ray matrix method. <i>Composite Structures</i> , 2011 , 93, 259-270	5.3	21
205	One-dimensional equations for piezoelectromagnetic beams and magnetoelectric effects in fibers. <i>Smart Materials and Structures</i> , 2009 , 18, 095026	3.4	21
204	Pure bending of simply supported circular plate of transversely isotropic functionally graded material. <i>Journal of Zhejiang University: Science A</i> , 2006 , 7, 1324-1328	2.1	21
203	Free vibration analysis of laminated piezoceramic hollow spheres. <i>Journal of the Acoustical Society of America</i> , 2001 , 109, 41-50	2.2	21
202	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	2.7	21
201	Extension/Compression-Controlled Complete Band Gaps in 2D Chiral Square-Lattice-Like Structures. <i>Acta Mechanica Solida Sinica</i> , 2018 , 31, 51-65	2	20
200	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	5.7	20
199	Elasticity solutions for functionally graded plates in cylindrical bending. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2008 , 29, 999-1004	3.2	20

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197	Natural frequencies of a fluid-filled anisotropic spherical shell. <i>Journal of the Acoustical Society of America</i> , 1999 , 105, 174-182	2.2	20
196	Tunable Two-Way Unidirectional Acoustic Diodes: Design and Simulation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2019 , 86,	2.7	20
195	Two-dimensional theory of piezoelectric shells considering surface effect. <i>European Journal of Mechanics, A/Solids</i> , 2014 , 43, 109-117	3.7	19
194	Magnetolectric coupling in multiferroic laminated plates with giant magnetostrictive material layers. <i>Journal of Applied Physics</i> , 2011 , 110, 124514	2.5	19
193	Low-frequency magnetic energy harvest using multiferroic composite plates. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2406-2409	2.3	19
192	Two-dimensional thermoelasticity solution for functionally graded thick beams 2006 , 49, 451-460		19
191	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	1.3	19
190	Mechanics of dielectric elastomers: materials, structures, and devices. <i>Journal of Zhejiang University: Science A</i> , 2016 , 17, 1-21	2.1	18
189	Indentation responses of piezoelectric layered half-space. <i>Smart Materials and Structures</i> , 2013 , 22, 015007	3.7	18
188	A circular cylindrical, radially polarized ceramic shell piezoelectric transformer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 1238-45	3.2	18
187	On buckling of a soft incompressible electroactive hollow cylinder. <i>International Journal of Solids and Structures</i> , 2016 , 97-98, 400-416	3.1	18
186	Low-frequency tunable topological interface states in soft phononic crystal cylinders. <i>International Journal of Mechanical Sciences</i> , 2021 , 191, 106098	5.5	18
185	Temperature Effects on PN Junctions in Piezoelectric Semiconductor Fibers with Thermoelastic and Pyroelectric Couplings. <i>Journal of Electronic Materials</i> , 2020 , 49, 3140-3148	1.9	17
184	Three-dimensional analytical solution for a transversely isotropic functionally graded piezoelectric circular plate subject to a uniform electric potential difference 2008 , 51, 1116-1125		17
183	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	5.5	16
182	A Two-Way Unidirectional Narrow-Band Acoustic Filter Realized by a Graded Phononic Crystal. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017 , 84,	2.7	16
181	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	3.2	16

180	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,	2.7	16
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177	Effects of a Mass Layer With Gradually Varying Thickness on a Quartz Crystal Microbalance. <i>IEEE Sensors Journal</i> , 2011 , 11, 1635-1639	4	15
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