

## List of Publications by Citations

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316  
papers

9,251  
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332  
ext. papers

10,489  
ext. citations

3.5  
avg, IF

6.85  
L-index

#	Paper	IF	Citations
3 <sup>16</sup>	A higher-order nonlocal elasticity and strain gradient theory and its applications in wave propagation. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2015</b> , 78, 298-313	5	850
3 <sup>15</sup>	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. <i>International Journal of Solids and Structures</i> , <b>2003</b> , 40, 2355-2380	3.1	204
3 <sup>14</sup>	Size-dependent nonlinear response of thin elastic films with nano-scale thickness. <i>International Journal of Mechanical Sciences</i> , <b>2004</b> , 46, 1715-1726	5.5	185
3 <sup>13</sup>	Size-dependent elastic behavior of FGM ultra-thin films based on generalized refined theory. <i>International Journal of Solids and Structures</i> , <b>2009</b> , 46, 1176-1185	3.1	181
3 <sup>12</sup>	A continuum model for size-dependent deformation of elastic films of nano-scale thickness. <i>International Journal of Solids and Structures</i> , <b>2004</b> , 41, 847-857	3.1	158
3 <sup>11</sup>	Vibration of Shallow Shells: A Review With Bibliography. <i>Applied Mechanics Reviews</i> , <b>1997</b> , 50, 431-444	8.6	145
3 <sup>10</sup>	Semi-analytical elasticity solutions for bi-directional functionally graded beams. <i>International Journal of Solids and Structures</i> , <b>2008</b> , 45, 258-275	3.1	140
3 <sup>09</sup>	Beam Bending Solutions Based on Nonlocal Timoshenko Beam Theory. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2008</b> , 134, 475-481	2.4	137
3 <sup>08</sup>	An analytical approximate technique for a class of strongly non-linear oscillators. <i>International Journal of Non-Linear Mechanics</i> , <b>2006</b> , 41, 766-774	2.8	137
3 <sup>07</sup>	Symplectic Elasticity: Theory and Applications. <i>Applied Mechanics Reviews</i> , <b>2010</b> , 63,	8.6	136
3 <sup>06</sup>	On the truth of nanoscale for nanobeams based on nonlocal elastic stress field theory: equilibrium, governing equation and static deflection. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2010</b> , 31, 37-54	3.2	127
3 <sup>05</sup>	Exact variational nonlocal stress modeling with asymptotic higher-order strain gradients for nanobeams. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 054312	2.5	117
3 <sup>04</sup>	Size dependent, non-uniform elastic field inside a nano-scale spherical inclusion due to interface stress. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 5055-5065	3.1	116
3 <sup>03</sup>	A new analytical approach to the Duffing-harmonic oscillator. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 311, 365-373	2.3	103
3 <sup>02</sup>	On new symplectic elasticity approach for exact free vibration solutions of rectangular Kirchhoff plates. <i>International Journal of Engineering Science</i> , <b>2009</b> , 47, 131-140	5.7	102
3 <sup>01</sup>	Elastic mechanical behavior of nano-scaled FGM films incorporating surface energies. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 1124-1130	8.6	92
3 <sup>00</sup>	Newton-harmonic balancing approach for accurate solutions to nonlinear cubic-quintic Duffing oscillators. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 852-866	4.5	88

299	A pb-2 Ritz Formulation for Flexural Vibration of Shallow Cylindrical Shells of Rectangular Planform. <i>Journal of Sound and Vibration</i> , <b>1994</b> , 173, 343-375	3.9	88
298	Semi-analytical analysis for multi-directional functionally graded plates: 3-D elasticity solutions. <i>International Journal for Numerical Methods in Engineering</i> , <b>2009</b> , 79, 25-44	2.4	85
297	Surface Green function for a soft elastic half-space: Influence of surface stress. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 132-143	3.1	85
296	DSC-Ritz method for high-mode frequency analysis of thick shallow shells. <i>International Journal for Numerical Methods in Engineering</i> , <b>2005</b> , 62, 205-232	2.4	81
295	On new symplectic elasticity approach for exact bending solutions of rectangular thin plates with two opposite sides simply supported. <i>International Journal of Solids and Structures</i> , <b>2007</b> , 44, 5396-5411	3.1	77
294	Large amplitude non-linear oscillations of a general conservative system. <i>International Journal of Non-Linear Mechanics</i> , <b>2004</b> , 39, 859-870	2.8	75
293	Dynamics and stability of transverse vibrations of nonlocal nanobeams with a variable axial load. <i>Smart Materials and Structures</i> , <b>2011</b> , 20, 015023	3.4	72
292	Exact solution of a compositionally graded piezoelectric layer under uniform stretch, bending and twisting. <i>International Journal of Mechanical Sciences</i> , <b>2001</b> , 43, 2479-2492	5.5	68
291	Dynamic behaviour of axially moving nanobeams based on nonlocal elasticity approach. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2010</b> , 26, 755-765	2	67
290	Three-dimensional asymptotic approach to inhomogeneous and laminated piezoelectric plates. <i>International Journal of Solids and Structures</i> , <b>2000</b> , 37, 3153-3175	3.1	65
289	New Predictions of Size-Dependent Nanoscale Based on Nonlocal Elasticity for Wave Propagation in Carbon Nanotubes. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2010</b> , 7, 988-995	0.3	64
288	Vibration of pretwisted cantilever shallow conical shells. <i>International Journal of Solids and Structures</i> , <b>1994</b> , 31, 2463-2476	3.1	64
287	ANALYTICAL SOLUTIONS FOR VIBRATION OF SIMPLY SUPPORTED NONLOCAL NANOBEMS WITH AN AXIAL FORCE. <i>International Journal of Structural Stability and Dynamics</i> , <b>2011</b> , 11, 257-271	1.9	63
286	Higher accuracy analytical approximations to the Duffing-harmonic oscillator. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 296, 1039-1045	3.9	63
285	Actively controllable flexural wave band gaps in beam-type acoustic metamaterials with shunted piezoelectric patches. <i>European Journal of Mechanics, A/Solids</i> , <b>2019</b> , 77, 103807	3.7	60
284	Dynamic stability in parametric resonance of axially accelerating viscoelastic Timoshenko beams. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 547-565	3.9	60
283	A generalized flexibility matrix based approach for structural damage detection. <i>Journal of Sound and Vibration</i> , <b>2010</b> , 329, 4583-4587	3.9	60
282	Wave propagation in double-walled carbon nanotubes on a novel analytically nonlocal Timoshenko-beam model. <i>Journal of Sound and Vibration</i> , <b>2011</b> , 330, 1704-1717	3.9	58

281	On active vibration isolation of floating raft system. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 285, 391-406	3.9	58
280	Non-classical stiffness strengthening size effects for free vibration of a nonlocal nanostructure. <i>International Journal of Mechanical Sciences</i> , <b>2012</b> , 54, 57-68	5.5	57
279	A Higher-Order Theory for Vibration of Doubly Curved Shallow Shells. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>1996</b> , 63, 587-593	2.7	57
278	A higher order theory for vibration of shear deformable cylindrical shallow shells. <i>International Journal of Mechanical Sciences</i> , <b>1995</b> , 37, 277-295	5.5	57
277	Built-up structural steel sections as seismic metamaterials for surface wave attenuation with low frequency wide bandgap in layered soil medium. <i>Engineering Structures</i> , <b>2019</b> , 188, 440-451	4.7	56
276	Free torsional vibration of nanotubes based on nonlocal stress theory. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 2798-2808	3.9	55
275	Exact solutions for vibration of cylindrical shells with intermediate ring supports. <i>International Journal of Mechanical Sciences</i> , <b>2002</b> , 44, 1907-1924	5.5	52
274	Vibratory behaviour of shallow conical shells by a global Ritz formulation. <i>Engineering Structures</i> , <b>1995</b> , 17, 63-70	4.7	52
273	On functionally graded beams with integrated surface piezoelectric layers. <i>Composite Structures</i> , <b>2006</b> , 72, 339-351	5.3	51
272	Point temperature solution for a penny-shaped crack in an infinite transversely isotropic thermo-piezo-elastic medium. <i>Engineering Analysis With Boundary Elements</i> , <b>2005</b> , 29, 524-532	2.6	51
271	Topological edge modeling and localization of protected interface modes in 1D phononic crystals for longitudinal and bending elastic waves. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 159, 359-372	5.5	49
270	Wave propagation in carbon nanotubes: nonlocal elasticity-induced stiffness and velocity enhancement effects. <i>Journal of Mechanics of Materials and Structures</i> , <b>2010</b> , 5, 459-476	1.2	48
269	Approximate analytical solutions for oscillation of a mass attached to a stretched elastic wire. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 300, 1042-1047	3.9	47
268	Vibratory Characteristics of Cantilevered Rectangular Shallow Shells of Variable Thickness. <i>AIAA Journal</i> , <b>1994</b> , 32, 387-396	2.1	47
267	Exact Solutions for Free Vibrations of Functionally Graded Thick Plates on Elastic Foundations. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 576-584	1.8	46
266	Is a nanorod (or nanotube) with a lower Young's modulus stiffer? Is not Young's modulus a stiffness indicator?. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2010</b> , 53, 712-724	3.6	46
265	The effects of stiffness strengthening nonlocal stress and axial tension on free vibration of cantilever nanobeams. <i>Interaction and Multiscale Mechanics</i> , <b>2009</b> , 2, 223-233		45
264	Improved harmonic balance approach to periodic solutions of non-linear jerk equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 354, 95-100	2.3	44

263	Pull-in instability and free vibration of electrically actuated poly-SiGe graded micro-beams with a curved ground electrode. <i>Applied Mathematical Modelling</i> , <b>2012</b> , 36, 1875-1884	4.5	43
262	Nonlocal Stress Theory for Buckling Instability of Nanotubes: New Predictions on Stiffness Strengthening Effects of Nanoscales. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2010</b> , 7, 2104-2111	0.3	43
261	Dynamic stability of axially accelerating Timoshenko beam: Averaging method. <i>European Journal of Mechanics, A/Solids</i> , <b>2010</b> , 29, 81-90	3.7	43
260	Numerical aspects for free vibration of thick plates part I: Formulation and verification. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 156, 15-29	5.7	43
259	Analysis of the free vibration of rectangular plates with central cut-outs using the discrete Ritz method. <i>International Journal of Mechanical Sciences</i> , <b>2003</b> , 45, 941-959	5.5	43
258	Three-dimensional electromechanical responses of a parallel piezoelectric bimorph. <i>International Journal of Solids and Structures</i> , <b>2001</b> , 38, 2833-2849	3.1	43
257	Actively controllable topological phase transition in homogeneous piezoelectric rod system. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2020</b> , 137, 103824	5	43
256	TORSIONAL WAVE PROPAGATION AND VIBRATION OF CIRCULAR NANOSTRUCTURES BASED ON NONLOCAL ELASTICITY THEORY. <i>International Journal of Applied Mechanics</i> , <b>2014</b> , 06, 1450011	2.4	42
255	Vibration of doubly-curved shallow shells. <i>Acta Mechanica</i> , <b>1996</b> , 114, 95-119	2.1	42
254	Theory of suspended carbon nanotube thinfilm as a thermal-acoustic source. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 5451-5461	3.9	40
253	Thermal effects on buckling of shear deformable nanocolumns with von Kármán nonlinearity based on nonlocal stress theory. <i>Nonlinear Analysis: Real World Applications</i> , <b>2012</b> , 13, 905-922	2.1	39
252	Two-dimensional elasticity solutions for temperature-dependent in-plane vibration of FGM circular arches. <i>Composite Structures</i> , <b>2009</b> , 90, 323-329	5.3	39
251	Analytical approximation to large-amplitude oscillation of a non-linear conservative system. <i>International Journal of Non-Linear Mechanics</i> , <b>2003</b> , 38, 1037-1043	2.8	39
250	Timoshenko curved beam bending solutions in terms of Euler-Bernoulli solutions. <i>Archive of Applied Mechanics</i> , <b>1997</b> , 67, 179-190	2.2	38
249	Dynamic buckling of cylindrical shells subject to an axial impact in a symplectic system. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 3905-3919	3.1	38
248	A Ritz vibration analysis of doubly-curved rectangular shallow shells using a refined first-order theory. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1995</b> , 127, 145-162	5.7	38
247	Nonlinear vibrations of nano-beams accounting for nonlocal effect using a multiple scale method. <i>Science in China Series D: Earth Sciences</i> , <b>2009</b> , 52, 617-621		37
246	Production of sustainable and structural fiber reinforced recycled aggregate concrete with improved fracture properties: A review. <i>Journal of Cleaner Production</i> , <b>2021</b> , 279, 123832	10.3	37

245	Stress concentration around a nano-scale spherical cavity in elastic media: effect of surface stress. <i>European Journal of Mechanics, A/Solids</i> , <b>2006</b> , 25, 260-270	3.7	36
244	Numerical and analytical approximations to large post-buckling deformation of MEMS. <i>International Journal of Mechanical Sciences</i> , <b>2012</b> , 55, 95-103	5.5	35
243	Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 3397-3411	3.9	35
242	Vibration analysis of symmetrically laminated thick rectangular plates using the higher-order theory and p-Ritz method. <i>Journal of the Acoustical Society of America</i> , <b>1997</b> , 102, 1600-1611	2.2	35
241	Asymptotic analysis of axially accelerating viscoelastic strings. <i>International Journal of Engineering Science</i> , <b>2008</b> , 46, 976-985	5.7	35
240	Analytical solutions for single- and multi-span functionally graded plates in cylindrical bending. <i>International Journal of Solids and Structures</i> , <b>2005</b> , 42, 6433-6456	3.1	35
239	Effects of initial twist and thickness variation on the vibration behaviour of shallow conical shells. <i>Journal of Sound and Vibration</i> , <b>1995</b> , 180, 271-296	3.9	35
238	Thermal buckling of nanorod based on non-local elasticity theory. <i>International Journal of Non-Linear Mechanics</i> , <b>2012</b> , 47, 496-505	2.8	34
237	Accurate buckling analysis for shear deformable FGM cylindrical shells under axial compression and thermal loads. <i>Composite Structures</i> , <b>2015</b> , 123, 246-256	5.3	33
236	Dynamics studies of a flexible hub-beam system with significant damping effect. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 318, 1-17	3.9	33
235	3D point force solution for a permeable penny-shaped crack embedded in an infinite transversely isotropic piezoelectric medium. <i>International Journal of Fracture</i> , <b>2005</b> , 131, 231-246	2.3	33
234	Surface effects on the buckling behaviors of piezoelectric cylindrical nanoshells using nonlocal continuum model. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 59, 341-356	4.5	32
233	Wave propagation in fluid-filled single-walled carbon nanotube on analytically nonlocal Euler-Bernoulli beam model. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 1567-1579	3.9	32
232	Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 115028	3.4	32
231	A New Method for Approximate Analytical Solutions to Nonlinear Oscillations of Nonnatural Systems. <i>Nonlinear Dynamics</i> , <b>2003</b> , 32, 1-13	5	32
230	Three-dimensional exact solution for inhomogeneous and laminated piezoelectric plates. <i>International Journal of Engineering Science</i> , <b>1999</b> , 37, 1425-1439	5.7	32
229	Vibration of perforated doubly-curved shallow shells with rounded corners. <i>International Journal of Solids and Structures</i> , <b>1994</b> , 31, 1519-1536	3.1	32
228	Voltage-controlled quantum valley Hall effect in dielectric membrane-type acoustic metamaterials. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 172, 105368	5.5	32

227	3D thermoelasticity solutions for functionally graded thick plates. <i>Journal of Zhejiang University: Science A</i> , <b>2009</b> , 10, 327-336	2.1	31
226	Vibration of cantilevered laminated composite shallow conical shells. <i>International Journal of Solids and Structures</i> , <b>1998</b> , 35, 1695-1707	3.1	31
225	Accurate higher-order approximations to frequencies of nonlinear oscillators with fractional powers. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 281, 1157-1162	3.9	31
224	Surface effect on the propagation of flexural waves in periodic nano-beam and the size-dependent topological properties. <i>Composite Structures</i> , <b>2019</b> , 216, 427-435	5.3	30
223	Active control of a flexible hub-beam system using optimal tracking control method. <i>International Journal of Mechanical Sciences</i> , <b>2006</b> , 48, 1150-1162	5.5	30
222	Three-dimensional vibration analysis of a cantilevered parallelepiped: Exact and approximate solutions. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 106, 3375-3383	2.2	30
221	Vibrations of Perforated Plates with Rounded Corners. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1995</b> , 121, 203-213	2.4	30
220	Buckling of Functionally Graded Cylindrical Shells Under Combined Thermal and Compressive Loads. <i>Journal of Thermal Stresses</i> , <b>2014</b> , 37, 340-362	2.2	29
219	Dynamic local and global buckling of cylindrical shells under axial impact. <i>Engineering Structures</i> , <b>2009</b> , 31, 1132-1140	4.7	29
218	Elastic waves propagation in thin plate metamaterials and evidence of low frequency pseudo and local resonance bandgaps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2019</b> , 383, 2789-2796	2.3	28
217	Gas-Filled Encapsulated Thermal-Acoustic Transducer. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2013</b> , 135,	1.6	28
216	Electromechanical responses of piezoelectric fiber composites with sliding interface under anti-plane deformations. <i>Composites Part B: Engineering</i> , <b>2003</b> , 34, 373-381	10	28
215	Nonlinear vibration of a traveling belt with non-homogeneous boundaries. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 424, 78-93	3.9	27
214	Accurate buckling solutions of grid-stiffened functionally graded cylindrical shells under compressive and thermal loads. <i>Composites Part B: Engineering</i> , <b>2016</b> , 89, 96-107	10	27
213	Nonlocal thermal-elasticity for nanobeam deformation: Exact solutions with stiffness enhancement effects. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 013514	2.5	27
212	Statistical analysis for stochastic systems including fractional derivatives. <i>Nonlinear Dynamics</i> , <b>2010</b> , 59, 339-349	5	27
211	Application of EMI Technique for Crack Detection in Continuous Beams Adhesively Bonded with Multiple Piezoelectric Patches. <i>Mechanics of Advanced Materials and Structures</i> , <b>2008</b> , 15, 1-11	1.8	27
210	Vibration of pretwisted cantilever trapezoidal symmetric laminates. <i>Acta Mechanica</i> , <b>1995</b> , 111, 193-208	2.1	27

209	A New Analytical Approach for Free Vibration, Buckling and Forced Vibration of Rectangular Nanoplates Based on Nonlocal Elasticity Theory. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1850055	1.9	26
208	Accurate symplectic space solutions for thermal buckling of functionally graded cylindrical shells. <i>Composites Part B: Engineering</i> , <b>2013</b> , 55, 208-214	10	26
207	A new symplectic approach for piezoelectric cantilever composite plates. <i>Computers and Structures</i> , <b>2008</b> , 86, 1865-1874	4.5	26
206	A New Nonlocal Cylindrical Shell Model for Axisymmetric Wave Propagation in Carbon Nanotubes. <i>Advanced Science Letters</i> , <b>2011</b> , 4, 121-131	0.1	26
205	Benchmark symplectic solutions for bending of corner-supported rectangular thin plates. <i>IES Journal Part A: Civil and Structural Engineering</i> , <b>2008</b> , 1, 106-115		25
204	Buckling of Vertical Cylindrical Shells Under Combined End Pressure and Body Force. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2003</b> , 129, 876-884	2.4	25
203	A finite element algorithm for reanalysis of structures with added degrees of freedom. <i>Finite Elements in Analysis and Design</i> , <b>2004</b> , 40, 1791-1801	2.2	25
202	Time-dependent interfacial sliding in fiber composites under longitudinal shear. <i>Composites Science and Technology</i> , <b>2001</b> , 61, 579-584	8.6	25
201	A global continuum Ritz formulation for flexural vibration of pretwisted trapezoidal plates with one edge built in. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1994</b> , 114, 233-247	5.7	25
200	A nonlocal finite element method for torsional statics and dynamics of circular nanostructures. <i>International Journal of Mechanical Sciences</i> , <b>2015</b> , 94-95, 232-243	5.5	24
199	A new unconstrained third-order plate theory for Navier solutions of symmetrically laminated plates. <i>Computers and Structures</i> , <b>2003</b> , 81, 2539-2548	4.5	24
198	Vibration of shallow conical shells with shear flexibility: A first-order theory. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 451-468	3.1	24
197	A distributed-parameter electromechanical coupling model for a segmented arc-shaped piezoelectric energy harvester. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 146, 107005	7.8	24
196	Accurate thermo-electro-mechanical buckling of shear deformable piezoelectric fiber-reinforced composite cylindrical shells. <i>Composite Structures</i> , <b>2016</b> , 141, 221-231	5.3	23
195	TORSIONAL BUCKLING OF FUNCTIONALLY GRADED CYLINDRICAL SHELLS WITH TEMPERATURE-DEPENDENT PROPERTIES. <i>International Journal of Structural Stability and Dynamics</i> , <b>2014</b> , 14, 1350048	1.9	23
194	Twisting statics and dynamics for circular elastic nanosolids by nonlocal elasticity theory. <i>Acta Mechanica Sinica</i> , <b>2011</b> , 24, 484-494	2	23
193	DSC-Ritz element method for vibration analysis of rectangular Mindlin plates with mixed edge supports. <i>European Journal of Mechanics, A/Solids</i> , <b>2010</b> , 29, 619-628	3.7	23
192	EFFECTS OF SUBTENDED AND VERTEX ANGLES ON THE FREE VIBRATION OF OPEN CONICAL SHELL PANELS: A CONICAL CO-ORDINATE APPROACH. <i>Journal of Sound and Vibration</i> , <b>1999</b> , 219, 813-835	3.9	23



191	Vibratory characteristics of general laminates. <i>Journal of Sound and Vibration</i> , <b>1995</b> , 183, 615-642	3.9	23
190	Lightweight architected lattice phononic crystals with broadband and multiband vibration mitigation characteristics. <i>Extreme Mechanics Letters</i> , <b>2020</b> , 41, 100994	3.9	22
189	Free Vibration of Pretwisted, Cantilevered Composite Shallow Conical Shells. <i>AIAA Journal</i> , <b>1997</b> , 35, 327-333	2.1	22
188	A free-vibration analysis of doubly connected super-elliptical laminated composite plates. <i>Composites Science and Technology</i> , <b>1998</b> , 58, 435-445	8.6	22
187	An electromechanical impedance approach for quantitative damage detection in Timoshenko beams with piezoelectric patches. <i>Smart Materials and Structures</i> , <b>2007</b> , 16, 1390-1400	3.4	22
186	A new two-dimensional model for electro-mechanical response of thick laminated piezoelectric actuator. <i>International Journal of Solids and Structures</i> , <b>2005</b> , 42, 5589-5611	3.1	22
185	A new approximate analytical approach for dispersion relation of the nonlinear Klein-Gordon equation. <i>Chaos</i> , <b>2001</b> , 11, 843-848	3.3	22
184	Analytical asymptotic approximations for large amplitude nonlinear free vibration of a dielectric elastomer balloon. <i>Nonlinear Dynamics</i> , <b>2017</b> , 88, 2255-2264	5	21
183	Actively controllable topological phase transition in phononic beam systems. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 180, 105668	5.5	21
182	Transverse vibration of pre-tensioned nonlocal nanobeams with precise internal axial loads. <i>Science China Technological Sciences</i> , <b>2011</b> , 54, 2007-2013	3.5	21
181	Active control for acoustic wave propagation in nonlinear diatomic acoustic metamaterials. <i>International Journal of Non-Linear Mechanics</i> , <b>2020</b> , 125, 103535	2.8	20
180	Gap separation effect on thermoacoustic wave generation by heated suspended CNT nano-thin film. <i>Applied Thermal Engineering</i> , <b>2015</b> , 86, 135-142	5.8	20
179	Free Vibration Analysis of Thick Superelliptical Plates. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1998</b> , 124, 137-145	2.4	20
178	Three-dimensional analysis of an antiparallel piezoelectric bimorph. <i>Acta Mechanica</i> , <b>2000</b> , 145, 189-204	2.1	20
177	Vibratory Behavior of Doubly Curved Shallow Shells of Curvilinear Planform. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1995</b> , 121, 1277-1283	2.4	20
176	Super-harmonic resonance and multi-frequency responses of a super-critical translating beam. <i>Journal of Sound and Vibration</i> , <b>2016</b> , 385, 267-283	3.9	19
175	Forced Vibration of Electrically Actuated FGM Micro-Switches. <i>Procedia Engineering</i> , <b>2011</b> , 14, 280-287		19
174	Free vibration of pre-tensioned nanobeams based on nonlocal stress theory. <i>Journal of Zhejiang University: Science A</i> , <b>2010</b> , 11, 34-42	2.1	19

173	Dynamic torsional buckling of cylindrical shells. <i>Computers and Structures</i> , <b>2010</b> , 88, 322-330	4.5	19
172	Free vibration of long-span continuous rectangular Kirchhoff plates with internal rigid line supports. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 297, 351-364	3.9	19
171	Optimal tracking control of a flexible hubBeam system with time delay. <i>Multibody System Dynamics</i> , <b>2006</b> , 16, 331-350	2.8	19
170	Vibration of open cylindrical shells: A three-dimensional elasticity approach. <i>Journal of the Acoustical Society of America</i> , <b>1998</b> , 104, 1436-1443	2.2	19
169	Numerical aspects for free vibration of thick plates part II: Numerical efficiency and vibration frequencies. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 156, 31-44	5.7	18
168	Accurate approximate analytical solutions for nonlinear free vibration of systems with serial linear and nonlinear stiffness. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 307, 720-736	3.9	18
167	Properties of rapidly annealed Ti50Ni25Cu25 melt-spun ribbon. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 416, 188-193	5.7	18
166	Three-dimensional exact solutions for the electromechanical response of triple-layer piezoelectric actuators. <i>Smart Materials and Structures</i> , <b>2004</b> , 13, 1050-1058	3.4	18
165	A generalization of the SenatorBapat method for certain strongly nonlinear oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2005</b> , 341, 164-169	2.3	18
164	Accurate Higher-Order Analytical Approximate Solutions to Large-Amplitude Oscillating Systems with a General Non-Rational Restoring Force. <i>Nonlinear Dynamics</i> , <b>2005</b> , 42, 267-281	5	18
163	Transverse Vibration Of Trapezoidal Plates Of Variable Thickness: Unsymmetric Trapezoids. <i>Journal of Sound and Vibration</i> , <b>1994</b> , 177, 479-501	3.9	18
162	From Photonic Crystals to Seismic Metamaterials: A Review via Phononic Crystals and Acoustic Metamaterials. <i>Archives of Computational Methods in Engineering</i> , 1	7.8	18
161	Surface elastic waves whispering gallery modes based subwavelength tunable waveguide and cavity modes of the phononic crystals. <i>Mechanics of Advanced Materials and Structures</i> , <b>2020</b> , 27, 1053-1064	1.8	17
160	Vibration of arbitrarily laminated plates of general trapezoidal planform. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 100, 3674-3685	2.2	17
159	Accurate higher-order analytical approximate solutions to nonconservative nonlinear oscillators and application to van der Pol damped oscillators. <i>International Journal of Mechanical Sciences</i> , <b>2006</b> , 48, 483-492	5.5	16
158	Dissipative Multiresonant Pillared and Trampoline Metamaterials With Amplified Local Resonance Bandgaps and Broadband Vibration Attenuation. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2020</b> , 142,	1.6	16
157	Generation of High-Intensity Focused Ultrasound by Carbon Nanotube Opto-Acoustic Lens. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2014</b> , 81,	2.7	15
156	Nonlinear Constitutive Model for Axisymmetric Bending of Annular Graphene-Like Nanoplate with Gradient Elasticity Enhancement Effects. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2013</b> , 139, 1025-1035	2.4	15

155	Static analysis of ultra-thin beams based on a semi-continuum model. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2011</b> , 27, 713-719	2	15
154	Vibration and Stability of an Axially Moving Beam on Elastic Foundation. <i>Advances in Structural Engineering</i> , <b>2010</b> , 13, 241-247	1.9	15
153	Analytical approximate solutions to oscillation of a current-carrying wire in a magnetic field. <i>Nonlinear Analysis: Real World Applications</i> , <b>2009</b> , 10, 1882-1890	2.1	15
152	Quantitative structural damage detection using high-frequency piezoelectric signatures via the reverberation matrix method. <i>International Journal for Numerical Methods in Engineering</i> , <b>2007</b> , 71, 505-528	2.4	15
151	Vibration of angle-ply laminated plates with twist by Rayleigh-Ritz procedure. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2004</b> , 193, 805-823	5.7	15
150	FREE VIBRATION OF SYMMETRICALLY LAMINATED THICK-PERFORATED PLATES. <i>Journal of Sound and Vibration</i> , <b>2000</b> , 230, 111-132	3.9	15
149	On the bending of unconstrained thin crystalline plates caused by the change in surface stress. <i>Surface Science</i> , <b>2001</b> , 478, 203-210	1.8	15
148	A Higher-Order Theory for Vibration Analysis of Curvilinear Thick Shallow Shells with Constrained Boundaries. <i>JVC/Journal of Vibration and Control</i> , <b>1995</b> , 1, 15-39	2	15
147	Modeling the vibration of a variable thickness ellipsoidal dish with central point clamp or concentric surface clamp. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 99, 362-372	2.2	15
146	Flexural vibration of doubly-tapered cylindrical shallow shells. <i>International Journal of Mechanical Sciences</i> , <b>1994</b> , 36, 547-565	5.5	15
145	Elastic Foundation Induced Wide Bandgaps for Actively-tuned Topologically Protected Wave Propagation in Phononic Crystal Beams. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 194, 106215	5.5	15
144	Assessment of first and third order shear deformation beam theories for the buckling and vibration analysis of nanobeams incorporating surface stress effects. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 186, 105873	5.5	14
143	Analytical solutions for coupled tension-bending of nanobeam-columns considering nonlocal size effects. <i>Acta Mechanica</i> , <b>2012</b> , 223, 789-809	2.1	14
142	A SYMPLECTIC HAMILTONIAN APPROACH FOR THERMAL BUCKLING OF CYLINDRICAL SHELLS. <i>International Journal of Structural Stability and Dynamics</i> , <b>2010</b> , 10, 273-286	1.9	14
141	On Asymptotic Analysis for Large Amplitude Nonlinear Free Vibration of Simply Supported Laminated Plates. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2009</b> , 131,	1.6	14
140	A VARIATIONAL PRINCIPLE APPROACH FOR BUCKLING OF CARBON NANOTUBES BASED ON NONLOCAL TIMOSHENKO BEAM MODELS. <i>Nano</i> , <b>2011</b> , 06, 363-377	1.1	14
139	Nonlinear vibration of a two-mass system with nonlinear stiffnesses. <i>Nonlinear Dynamics</i> , <b>2007</b> , 49, 233-249	3.4	14
138	VIBRATION OF SYMMETRICALLY LAMINATED THICK SUPER ELLIPTICAL PLATES. <i>Journal of Sound and Vibration</i> , <b>1999</b> , 220, 659-682	3.9	14

137	On the piezoelectric effect on stability of symmetric FGM porous nanobeams. <i>Composite Structures</i> , <b>2021</b> , 267, 113880	5.3	14
136	An analytical symplectic approach to the vibration analysis of orthotropic graphene sheets. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2017</b> , 33, 912-925	2	13
135	Analytical modeling and computational analysis on topological properties of 1-D phononic crystals in elastic media. <i>Journal of Mechanics of Materials and Structures</i> , <b>2020</b> , 15, 15-35	1.2	13
134	Analytical approximations to the double-well Duffing oscillator in large amplitude oscillations. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 307, 953-960	3.9	13
133	A spiral model for bending of non-linearly pretwisted helicoidal structures with lateral loading. <i>International Journal of Solids and Structures</i> , <b>2003</b> , 40, 4257-4279	3.1	13
132	Theory and modeling of cylindrical thermo-acoustic transduction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2016</b> , 380, 2123-2128	2.3	12
131	Modulating Band Gap Structure by Parametric Excitations. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2018</b> , 85,	2.7	12
130	Analytical analysis for large-amplitude oscillation of a rotational pendulum system. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 6115-6124	2.7	12
129	Vibration of Thick Doubly-Curved Stress Free Shallow Shells of Curvilinear Planform. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1997</b> , 123, 413-421	2.4	12
128	A coupled approach for damage detection of framed structures using piezoelectric signature. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 307, 802-817	3.9	12
127	A Modified Lindstedt-Poincaré Method for Strongly Mixed-Parity Nonlinear Oscillators. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2007</b> , 2, 141-145	1.4	12
126	Tunable frequency response of topologically protected interface modes for membrane-type metamaterials via voltage control. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 494, 115870	3.9	12
125	Correction to the Integrated control of braking and steering subsystems for autonomous vehicle based on an efficient yaw moment distribution. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 1-1	8.9	11
124	Vibratory characteristics of pretwisted cantilever trapezoids of unsymmetric laminates. <i>AIAA Journal</i> , <b>1996</b> , 34, 1041-1050	2.1	11
123	Relaxation and mixed mode oscillations in a shape memory alloy oscillator driven by parametric and external excitations. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 140, 110145	9.3	11
122	Vibration and buckling characteristics of cracked natural fiber reinforced composite plates with corner point-supports. <i>Engineering Structures</i> , <b>2020</b> , 214, 110614	4.7	10
121	Localization of dynamic buckling patterns of cylindrical shells under axial impact. <i>International Journal of Mechanical Sciences</i> , <b>2013</b> , 66, 101-108	5.5	10
120	An approach for structural static reanalysis with unchanged number of degrees of freedom. <i>Structural and Multidisciplinary Optimization</i> , <b>2012</b> , 45, 681-692	3.6	10

119	Application of a modified Lindstedt-Poincaré method in coupled TDOF systems with quadratic nonlinearity and a constant external excitation. <i>Archive of Applied Mechanics</i> , <b>2009</b> , 79, 411-431	2.2	10
118	Nonlinear Free Vibration of an Elastically-Restrained Beam with a Point Mass via the Newton-Harmonic Balancing Approach. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2009</b> , 10,	1.8	10
117	Comparative Accuracy of Shallow and Deep Shell Theories for Vibration of Cylindrical Shells. <i>JVC/Journal of Vibration and Control</i> , <b>1997</b> , 3, 119-143	2	10
116	Analytical Approximations to Large Hygrothermal Buckling Deformation of a Beam. <i>Journal of Structural Engineering</i> , <b>2008</b> , 134, 602-607	3	10
115	Effects of boundary constraints and thickness variations on the vibratory response of rectangular plates. <i>Thin-Walled Structures</i> , <b>1993</b> , 17, 133-159	4.7	10
114	Mathematical modelling of phononic nanoplate and its size-dependent dispersion and topological properties. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 88, 774-790	4.5	10
113	Linear and nonlinear free vibrations of electrostatically actuated micro-/nanomechanical resonators. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 113-123	1.7	9
112	Dynamic torsional buckling of cylindrical shells in Hamiltonian system. <i>Thin-Walled Structures</i> , <b>2013</b> , 64, 23-30	4.7	9
111	Third-order non-local beam theories for the analysis of symmetrical nanobeams. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2009</b> , 223, 2451-2463	1.3	9
110	HAMILTONIAN SYSTEM FOR DYNAMIC BUCKLING OF TRANSVERSELY ISOTROPIC CYLINDRICAL SHELLS SUBJECTED TO AN AXIAL IMPACT. <i>International Journal of Structural Stability and Dynamics</i> , <b>2008</b> , 08, 487-504	1.9	9
109	Free vibration of elastic helicoidal shells. <i>International Journal of Mechanical Sciences</i> , <b>2005</b> , 47, 941-960	5.5	9
108	Vibration of moderately thick cylindrical shallow shells. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 100, 3665-3673	2.2	9
107	Forest Trees as Naturally Available Seismic Metamaterials: Low Frequency Rayleigh Wave with Extremely Wide Bandgaps. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2043014	1.9	9
106	Theory and modeling of multi-layer carbon nanotube thin film thermoacoustic transducer. <i>Applied Thermal Engineering</i> , <b>2019</b> , 150, 143-149	5.8	9
105	Thermo-acoustic radiation of free-standing nano-thin film in viscous fluids. <i>International Journal of Engineering Science</i> , <b>2019</b> , 139, 11-23	5.7	8
104	Thermo-Electro-Mechanical Size-Dependent Buckling Response for Functionally Graded Graphene Platelet Reinforced Piezoelectric Cylindrical Nanoshells. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050100	1.9	8
103	Dynamic Response and Stability Analysis with Newton Harmonic Balance Method for Nonlinear Oscillating Dielectric Elastomer Balloons. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1850152	1.9	8
102	Predicting nonlinear dynamic response of internal cantilever beam system on a steadily rotating ring. <i>Applied Mathematical Modelling</i> , <b>2018</b> , 64, 541-555	4.5	8

101	Exact Solution for Thick, Laminated Piezoelectric Beams. <i>Mechanics of Advanced Materials and Structures</i> , <b>2007</b> , 14, 81-87	1.8	8
100	A non-discretized global method for free vibration of generally laminated fibre-reinforced pre-twisted cantilever plates. <i>Computational Mechanics</i> , <b>2000</b> , 26, 197-207	4	8
99	Vibration studies on moderately thick doubly-curved elliptic shallow shells. <i>Acta Mechanica</i> , <b>1996</b> , 116, 83-96	2.1	8
98	Phononic metastructures with ultrawide low frequency three-dimensional bandgaps as broadband low frequency filter. <i>Scientific Reports</i> , <b>2021</b> , 11, 7137	4.9	8
97	Effects of local thinning defects and stepped thickness for free vibration of cylindrical shells using a symplectic exact solution approach. <i>Acta Astronautica</i> , <b>2021</b> , 178, 658-671	2.9	8
96	Stiffness tuning of a functional-switchable active coding elastic metasurface. <i>International Journal of Mechanical Sciences</i> , <b>2021</b> , 207, 106654	5.5	8
95	Asymptotic analysis and accurate approximate solutions for strongly nonlinear conservative symmetric oscillators. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 49, 243-254	4.5	7
94	A New Static Analysis Approach for Free Vibration of Beams. <i>International Journal of Applied Mechanics</i> , <b>2018</b> , 10, 1850004	2.4	7
93	Modeling of EMI response of damaged Mindlin-Erreman rod. <i>International Journal of Mechanical Sciences</i> , <b>2007</b> , 49, 1355-1365	5.5	7
92	Higher-Order Approximate Solutions to a Strongly Nonlinear Duffing Oscillator. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2006</b> , 7, 201-208	0.7	7
91	Natural frequencies of laminated piezoelectric plates with internal electrodes. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , <b>2006</b> , 86, 410-420	1	7
90	Computational p-element method on the effects of thickness and length on self-weight buckling of thin cylindrical shells via various shell theories. <i>Computational Mechanics</i> , <b>2003</b> , 31, 400-408	4	7
89	NONLINEAR VIBRATION OF A CANTILEVER WITH A DERJAGUIN-MILNER-POPOV CONTACT END. <i>International Journal of Structural Stability and Dynamics</i> , <b>2008</b> , 08, 25-40	1.9	7
88	Rigorous buckling analysis of size-dependent functionally graded cylindrical nanoshells. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 214303	2.5	7
87	Dynamic Weakening of Sandstone Subjected to Repetitive Impact Loading. <i>Rock Mechanics and Rock Engineering</i> , <b>2019</b> , 52, 2197-2206	5.7	7
86	Nonlinear Vibrations by Periodic Perturbation in a Murali Lakshmanan-Chua Electronic Circuit Combined with Multiple Frequency Signal. <i>Journal of Vibration Engineering and Technologies</i> , <b>2020</b> , 8, 567-578	2	7
85	Broadband signal response of thermo-acoustic devices and its applications. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 141, 2430	2.2	6
84	A Size-Dependent Coupled Symplectic and Finite Element Method for Steady-State Forced Vibration of Built-Up Nanobeam Systems. <i>International Journal of Structural Stability and Dynamics</i> , <b>2019</b> , 19, 1950081	1.9	6

83	An isogeometric-symplectic coupling approach for fracture analysis of magneto-electroelastic bimetals with crack terminating at the interface. <i>Engineering Fracture Mechanics</i> , <b>2019</b> , 216, 106510	4.2	6
82	Multi-field coupling thermo-acoustic radiation using free-standing nano-thin films in a static magnetic field. <i>Journal of Thermal Stresses</i> , <b>2019</b> , 42, 769-786	2.2	6
81	Analytical approximations to primary resonance response of harmonically forced oscillators with strongly general nonlinearity. <i>Applied Mathematical Modelling</i> , <b>2020</b> , 87, 534-545	4.5	6
80	Analytical approximations to resonance response of harmonically forced strongly odd nonlinear oscillators. <i>Archive of Applied Mechanics</i> , <b>2018</b> , 88, 2123-2134	2.2	6
79	Sustainable deforestation evaluation model and system dynamics analysis. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 106209	2.2	6
78	Generation of mirage effect by heated carbon nanotube thin film. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 244905	2.5	6
77	Asymptotic Two-Dimensional Elasticity Approach for Free Vibration of FGM Circular Arches. <i>Mechanics of Advanced Materials and Structures</i> , <b>2012</b> , 19, 29-38	1.8	6
76	Stress analysis of anisotropic thick laminates in cylindrical bending using a semi-analytical approach. <i>Journal of Zhejiang University: Science A</i> , <b>2007</b> , 8, 1740-1745	2.1	6
75	A comparison of several reanalysis methods for structural layout modifications with added degrees of freedom. <i>Structural and Multidisciplinary Optimization</i> , <b>2008</b> , 36, 403-410	3.6	6
74	Energetics and conserved quantity of an axially moving string undergoing three-dimensional nonlinear vibration. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2008</b> , 24, 215-221	2	6
73	Ultrawide bandgap by 3D monolithic mechanical metastructure for vibration and noise control. <i>Archives of Civil and Mechanical Engineering</i> , <b>2021</b> , 21, 1	3.4	6
72	Buckling analysis of nanoplates based on a generic third-order plate theory with shear-dependent non-isotropic surface stresses. <i>Composite Structures</i> , <b>2021</b> , 265, 113708	5.3	6
71	Stress waves and dynamic buckling of functionally graded cylindrical shells under combined axial impact and thermal load. <i>Acta Mechanica</i> , <b>2015</b> , 226, 1323-1339	2.1	5
70	Nonlinear Thermal Bending for Shear Deformable Nanobeams Based on Nonlocal Elasticity Theory. <i>International Journal of Aerospace and Lightweight Structures (IJALS)</i> , <b>2011</b> , 01, 89		5
69	Asymptotic analysis of a vibrating cantilever with a nonlinear boundary <b>2009</b> , 52, 1414-1422		5
68	Behavior of a 3-Layered Thick Piezoelectric Actuator Using a 2-D Coupled Electromechanical Model. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 120-129	1.8	5
67	Active control and experiment study of a flexible hub-beam system. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2010</b> , 26, 289-298	2	5
66	Accurate approximation to the double sine-Gordon equation. <i>International Journal of Engineering Science</i> , <b>2007</b> , 45, 258-271	5.7	5

65	Effects of general laminations and boundary constraints on vibration of composite shallow shells. <i>Composites Part B: Engineering</i> , <b>1996</b> , 27, 155-171	10	5
64	Periodically alternated elastic support induced topological phase transition in phononic crystal beam systems. <i>International Journal of Solids and Structures</i> , <b>2022</b> , 239-240, 111461	3-1	5
63	Energy balance method for modeling ultimate strain of fiber-reinforced polymer-repaired concrete. <i>Structural Concrete</i> , <b>2020</b> , 21, 804-820	2.6	5
62	Effect of Load Eccentricity on the Mechanical Response of FRP-Confined Predamaged Concrete under Compression. <i>Journal of Composites for Construction</i> , <b>2020</b> , 24, 04020057	3-3	5
61	Plane and Surface Acoustic Waves Manipulation by Three-Dimensional Composite Phononic Pillars with 3D Bandgap and Defect Analysis. <i>Acoustics</i> , <b>2021</b> , 3, 25-41	2	5
60	Aggregate size effects and general static loading response on mechanical behavior of passively confined concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 205, 61-72	6.7	4
59	StaticDynamic Relationship for Flexural Free Vibration of Extensible Beams. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1871010	1.9	4
58	SYMPLECTIC METHOD FOR DYNAMIC BUCKLING OF CYLINDRICAL SHELLS UNDER COMBINED LOADINGS. <i>International Journal of Applied Mechanics</i> , <b>2013</b> , 05, 1350042	2.4	4
57	Bound theorem and implementation of dual finite elements for fracture assessment of piezoelectric materials. <i>Computational Mechanics</i> , <b>2005</b> , 36, 209-216	4	4
56	Thermo-magnetic induced monodirectional periodic acoustic emission from free-standing nano-thin film. <i>Journal of Sound and Vibration</i> , <b>2021</b> , 490, 115569	3.9	4
55	Low frequency topologically protected wave transport in sinusoidal lightweight acoustic metamaterials. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 045108	2.5	4
54	On the nonlinear dynamics of porous composite nanobeams connected with fullerenes. <i>Composite Structures</i> , <b>2021</b> , 274, 114356	5.3	4
53	An energy conservative symplectic methodology for buckling of cylindrical shells under axial compression. <i>Acta Mechanica</i> , <b>2013</b> , 224, 1579-1592	2.1	3
52	An Analytical Symplecticity Method for Axial Compression Plastic Buckling of Cylindrical Shells. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , <b>2013</b> , 135,	1.2	3
51	Nonlinear combination parametric resonance of axially accelerating viscoelastic strings constituted by the standard linear solid model. <i>Science China Technological Sciences</i> , <b>2010</b> , 53, 645-655	3.5	3
50	Spatial chaos of buckled elastica by the Kirchhoff analogy of a gyrostat. <i>Computers and Structures</i> , <b>2005</b> , 83, 2395-2413	4.5	3
49	Buckling of intermediate ring supported cylindrical shells under axial compression. <i>Thin-Walled Structures</i> , <b>2005</b> , 43, 427-443	4.7	3
48	A variational energy approach for electromechanical analysis of thick piezoelectric beam. <i>Journal of Zhejiang University: Science A</i> , <b>2005</b> , 6, 962-966	2.1	3



47	Continuous Suboptimal Control with Partial State Feedback. <i>JVC/Journal of Vibration and Control</i> , <b>2005</b> , 11, 561-578	2	3
46	Anomalous wave control by an adaptive elastic metasurface shunted with negative capacitance circuit. <i>Journal of Sound and Vibration</i> , <b>2022</b> , 525, 116782	3.9	3
45	A Modified Newton-Harmonic Balance Approach to Strongly Odd Nonlinear Oscillators. <i>Journal of Vibration Engineering and Technologies</i> , <b>2020</b> , 8, 721-736	2	3
44	Acoustic response characterization of thermoacoustic CNT thin film arrays. <i>Journal of Thermal Stresses</i> , <b>2018</b> , 41, 1525-1537	2.2	3
43	BEM modeling and experiment verification for thermoacoustic response of suspended nano thin films. <i>Engineering Analysis With Boundary Elements</i> , <b>2021</b> , 130, 10-19	2.6	3
42	Coupling effect assessment of vacuum based pozzolana slurry encrusted recycled aggregate and basalt fiber on mechanical performance of fiber reinforced concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 300, 124032	6.7	3
41	Accurate analytical approximation to post-buckling of column with Ramberg-Osgood constitutive law. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 98, 121-133	4.5	3
40	Wide Rayleigh waves bandgap engineered metabarriers for ground born vibration attenuation. <i>Engineering Structures</i> , <b>2021</b> , 246, 113019	4.7	3
39	Decoupling the effects of material thickness and size scale on the transverse free vibration of BNNTs based on beam models. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 166, 108440	7.8	3
38	On the reflection and diffraction of carbon nanotube array thin film. <i>Wave Motion</i> , <b>2019</b> , 90, 196-204	1.8	2
37	Thermal-Acoustic Wave Generation and Propagation Using Suspended Carbon Nanotube Thin Film in Fluidic Environments. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2016</b> , 83,	2.7	2
36	On nonlinear oscillation response of a negatively dissipated oscillator and its analogy to long Josephson junction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 368, 289-298 <sup>2-3</sup>	2.3	2
35	Higher-order approximate solutions for nonlinear vibration of a constant-tension string. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 317, 440-448	3.9	2
34	AXISYMMETRIC VIBRATION OF CYLINDRICAL SHELLS WITH INTERMEDIATE RING SUPPORTS. <i>International Journal of Structural Stability and Dynamics</i> , <b>2003</b> , 03, 35-53	1.9	2
33	Mechanical responses of elastic layers with through-the-thickness variation in eigenstrain. <i>Acta Mechanica</i> , <b>2002</b> , 158, 145-156	2.1	2
32	The Stability of Flow Over Periodically Supported Plates-Potential Flow. <i>Journal of Fluids and Structures</i> , <b>1994</b> , 8, 331-354	3.1	2
31	Author's Replay. <i>Journal of Sound and Vibration</i> , <b>1994</b> , 170, 412	3.9	2
30	Periodic and Aperiodic 3-D Composite Metastructures with Ultrawide Bandgap for Vibration and Noise Control. <i>Composite Structures</i> , <b>2022</b> , 287, 115324	5.3	2

29	A gravity-driven sintering method to fabricate geometrically complex compact piezoceramics. <i>Nature Communications</i> , <b>2021</b> , 12, 6066	17.4	2
28	Natural seismic metamaterials: the role of tree branches in the birth of Rayleigh wave bandgap for ground born vibration attenuation. <i>Trees - Structure and Function</i> , <b>2021</b> , 35, 1299-1315	2.6	2
27	A Novel Application of Multi-Resonant Dissipative Elastic Metahousing for Bearings. <i>Acta Mechanica Solida Sinica</i> , <b>2021</b> , 34, 449-465	2	2
26	A new staticdynamic equivalence beam bending approach for the stability of a vibrating beam. <i>Mechanics of Advanced Materials and Structures</i> , <b>2021</b> , 28, 999-1009	1.8	2
25	Composite trampoline metamaterial with enlarged local resonance bandgap. <i>Applied Acoustics</i> , <b>2021</b> , 184, 108353	3.1	2
24	Closure on discussion of Benchmark symplectic solutions for bending of corner-supported rectangular thin plates by M. Batista. <i>IES Journal Part A: Civil and Structural Engineering</i> , <b>2010</b> , 3, 71-73		1
23	Vibration Analysis of Axially Compressed Nanobeams and its Critical Pressure Using a New Nonlocal Stress Theory. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 105-107, 1788-1792	0.3	1
22	Vibration characteristics of cantilevered thick cylindrical shallow shells. <i>AIAA Journal</i> , <b>1996</b> , 34, 2451-2453	1	1
21	Homotopic analysis for post-buckling of cylindrical shells with local thickness defects. <i>Acta Astronautica</i> , <b>2022</b> , 193, 44-55	2.9	1
20	New high fidelity (hi-fi) three-dimensional thermophone CNT sponge. <i>Extreme Mechanics Letters</i> , <b>2021</b> , 101523	3.9	1
19	A symplectic analytical approach for free vibration of orthotropic cylindrical shells with stepped thickness under arbitrary boundary conditions. <i>Thin-Walled Structures</i> , <b>2022</b> , 171, 108696	4.7	1
18	. <i>IEEE Access</i> , <b>2020</b> , 8, 214894-214901	3.5	1
17	Elastic buckling of nanoplates based on general third-order shear deformable plate theory including both size effects and surface effects. <i>International Journal of Mechanics and Materials in Design</i> , <b>2021</b> , 17, 521-543	2.5	1
16	An adaptive algorithm for mid-frequency response of a proportional damping system. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 162, 107998	7.8	1
15	Analytical Modeling and Numerical Analysis for Tunable Topological Phase Transition of Flexural Waves in Active Sandwiched Phononic Beam Systems. <i>International Journal of Mechanical Sciences</i> , <b>2022</b> , 107292	5.5	1
14	Robust large-area elastic transverse wave transport in active acoustic metamaterials. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 185112	2.5	1
13	Pattern transformation induced waisted post-buckling of perforated cylindrical shells. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2022</b> , 164, 104915	5	1
12	Local surface nanocrystallization for buckling-resistant thin-walled structures. <i>International Journal of Mechanics and Materials in Design</i> , <b>2020</b> , 16, 693-705	2.5	0

11	Analytical Model of Unconstrained Nonlocal Higher-Order Nano-Plates for Bending Analysis. <i>Advanced Materials Research</i> , <b>2010</b> , 97-101, 4193-4196	0.5	o
10	An active vibration control model for coupled flexible systems. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2008</b> , 222, 2087-2098	1.3	o
9	Dynamic Response of Composite Materials with 2D Reduced Micromorphic Model. <i>Acta Mechanica Solida Sinica</i> , 1	2	o
8	Analytical approximations to the Lambert W function. <i>Applied Mathematical Modelling</i> , <b>2021</b> , 104, 114-1145	1.5	o
7	Local/global buckling of cylindrical shells with wall thinning defects. <i>Mechanics Based Design of Structures and Machines</i> , 1-20	1.7	o
6	Design and characteristic analysis of CNT thin film thermoacoustic transducer spherical array panel for low intensity focused ultrasound. <i>Journal of Thermal Stresses</i> , <b>2021</b> , 44, 582-596	2.2	o
5	Influence of Elevated Temperatures on the Mechanical Performance of Sustainable-Fiber-Reinforced Recycled Aggregate Concrete: A Review. <i>Buildings</i> , <b>2022</b> , 12, 487	3.2	o
4	Highly Accurate Analytical Approximate Solution to a Nonlinear Pseudo-Oscillator. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2017</b> , 72, 673-676	1.4	
3	Nonlinear oscillation of a charge in an electric field of two charged spheres. <i>International Journal of Dynamics and Control</i> , <b>2013</b> , 1, 129-134	1.7	
2	Authors' closure. <i>International Journal of Solids and Structures</i> , <b>1997</b> , 34, 2775-2782	3.1	
1	Research on Multi-correlative Subsystems Analysis for Vibration Source Identification. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 825-834	0.3	