C W Lim

List of Publications by Year in descending order

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326 papers	11,763 citations	31902 53 h-index	49773 87 g-index
332 all docs	332 docs citations	332 times ranked	3705 citing authors

#	Article	IF	Citations
1	A higher-order nonlocal elasticity and strain gradient theory and its applications in wave propagation. Journal of the Mechanics and Physics of Solids, 2015, 78, 298-313.	2.3	1,161
2	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. International Journal of Solids and Structures, 2003, 40, 2355-2380.	1.3	230
3	Size-dependent nonlinear response of thin elastic films with nano-scale thickness. International Journal of Mechanical Sciences, 2004, 46, 1715-1726.	3.6	207
4	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
5	Symplectic Elasticity: Theory and Applications. Applied Mechanics Reviews, 2010, 63, .	4.5	176
6	Semi-analytical elasticity solutions for bi-directional functionally graded beams. International Journal of Solids and Structures, 2008, 45, 258-275.	1.3	168
7	A continuum model for size-dependent deformation of elastic films of nano-scale thickness. International Journal of Solids and Structures, 2004, 41, 847-857.	1.3	167
8	Vibration of Shallow Shells: A Review With Bibliography. Applied Mechanics Reviews, 1997, 50, 431-444.	4.5	164
9	Beam Bending Solutions Based on Nonlocal Timoshenko Beam Theory. Journal of Engineering Mechanics - ASCE, 2008, 134, 475-481.	1.6	158
10	An analytical approximate technique for a class of strongly non-linear oscillators. International Journal of Non-Linear Mechanics, 2006, 41, 766-774.	1.4	156
11	On the truth of nanoscale for nanobeams based on nonlocal elastic stress field theory: equilibrium, governing equation and static deflection. Applied Mathematics and Mechanics (English Edition), 2010, 31, 37-54.	1.9	150
12	Size dependent, non-uniform elastic field inside a nano-scale spherical inclusion due to interface stress. International Journal of Solids and Structures, 2006, 43, 5055-5065.	1.3	128
13	Exact variational nonlocal stress modeling with asymptotic higher-order strain gradients for nanobeams. Journal of Applied Physics, 2007, 101, 054312.	1.1	123
14	On new symplectic elasticity approach for exact free vibration solutions of rectangular Kirchhoff plates. International Journal of Engineering Science, 2009, 47, 131-140.	2.7	123
15	Built-up structural steel sections as seismic metamaterials for surface wave attenuation with low frequency wide bandgap in layered soil medium. Engineering Structures, 2019, 188, 440-451.	2.6	120
16	A new analytical approach to the Duffing-harmonic oscillator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 365-373.	0.9	113
17	Semiâ€analytical analysis for multiâ€directional functionally graded plates: 3â€D elasticity solutions. International Journal for Numerical Methods in Engineering, 2009, 79, 25-44.	1.5	105
18	Actively controllable topological phase transition in homogeneous piezoelectric rod system. Journal of the Mechanics and Physics of Solids, 2020, 137, 103824.	2.3	105

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19	Production of sustainable and structural fiber reinforced recycled aggregate concrete with improved fracture properties: A review. Journal of Cleaner Production, 2021, 279, 123832.	4.6	104
20	Elastic mechanical behavior of nano-scaled FGM films incorporating surface energies. Composites Science and Technology, 2009, 69, 1124-1130.	3.8	100
21	Actively controllable flexural wave band gaps in beam-type acoustic metamaterials with shunted piezoelectric patches. European Journal of Mechanics, A/Solids, 2019, 77, 103807.	2.1	99
22	Newtonâ€“harmonic balancing approach for accurate solutions to nonlinear cubicâ€“quintic Duffing oscillators. Applied Mathematical Modelling, 2009, 33, 852-866.	2.2	96
23	A pb-2 Ritz Formulation for Flexural Vibration of Shallow Cylindrical Shells of Rectangular Planform. Journal of Sound and Vibration, 1994, 173, 343-375.	2.1	95
24	Surface Green function for a soft elastic half-space: Influence of surface stress. International Journal of Solids and Structures, 2006, 43, 132-143.	1.3	91
25	DSC-Ritz method for high-mode frequency analysis of thick shallow shells. International Journal for Numerical Methods in Engineering, 2005, 62, 205-232.	1.5	88
26	On new symplectic elasticity approach for exact bending solutions of rectangular thin plates with two opposite sides simply supported. International Journal of Solids and Structures, 2007, 44, 5396-5411.	1.3	87
27	Topological edge modeling and localization of protected interface modes in 1D phononic crystals for longitudinal and bending elastic waves. International Journal of Mechanical Sciences, 2019, 159, 359-372.	3.6	86
28	Dynamics and stability of transverse vibrations of nonlocal nanobeams with a variable axial load. Smart Materials and Structures, 2011, 20, 015023.	1.8	80
29	Vibration of pretwisted cantilever shallow conical shells. International Journal of Solids and Structures, 1994, 31, 2463-2476.	1.3	78
30	Large amplitude non-linear oscillations of a general conservative system. International Journal of Non-Linear Mechanics, 2004, 39, 859-870.	1.4	78
31	Dynamic behaviour of axially moving nanobeams based on nonlocal elasticity approach. Acta Mechanica Sinica/Lixue Xuebao, 2010, 26, 755-765.	1.5	77
32	Exact solution of a compositionally graded piezoelectric layer under uniform stretch, bending and twisting. International Journal of Mechanical Sciences, 2001, 43, 2479-2492.	3.6	76
33	ANALYTICAL SOLUTIONS FOR VIBRATION OF SIMPLY SUPPORTED NONLOCAL NANOBEAMS WITH AN AXIAL FORCE. International Journal of Structural Stability and Dynamics, 2011, 11, 257-271.	1.5	74
34	A generalized flexibility matrix based approach for structural damage detection. Journal of Sound and Vibration, 2010, 329, 4583-4587.	2.1	73
35	On active vibration isolation of floating raft system. Journal of Sound and Vibration, 2005, 285, 391-406.	2.1	71
36	Three-dimensional asymptotic approach to inhomogeneous and laminated piezoelectric plates. International Journal of Solids and Structures, 2000, 37, 3153-3175.	1.3	68

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37	Dynamic stability in parametric resonance of axially accelerating viscoelastic Timoshenko beams. Journal of Sound and Vibration, 2010, 329, 547-565.	2.1	68
38	Voltage-controlled quantum valley Hall effect in dielectric membrane-type acoustic metamaterials. International Journal of Mechanical Sciences, 2020, 172, 105368.	3.6	67
39	From Photonic Crystals to Seismic Metamaterials: A Review via Phononic Crystals and Acoustic Metamaterials. Archives of Computational Methods in Engineering, 2022, 29, 1137-1198.	6.0	67
40	New Predictions of Size-Dependent Nanoscale Based on Nonlocal Elasticity for Wave Propagation in Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2010, 7, 988-995.	0.4	66
41	On functionally graded beams with integrated surface piezoelectric layers. Composite Structures, 2006, 72, 339-351.	3.1	65
42	Higher accuracy analytical approximations to the Duffing-harmonic oscillator. Journal of Sound and Vibration, 2006, 296, 1039-1045.	2.1	65
43	A higher order theory for vibration of shear deformable cylindrical shallow shells. International Journal of Mechanical Sciences, 1995, 37, 277-295.	3.6	64
44	A Higher-Order Theory for Vibration of Doubly Curved Shallow Shells. Journal of Applied Mechanics, Transactions ASME, 1996, 63, 587-593.	1.1	64
45	Free torsional vibration of nanotubes based on nonlocal stress theory. Journal of Sound and Vibration, 2012, 331, 2798-2808.	2.1	64
46	Wave propagation in double-walled carbon nanotubes on a novel analytically nonlocal Timoshenko-beam model. Journal of Sound and Vibration, 2011, 330, 1704-1717.	2.1	60
47	Non-classical stiffness strengthening size effects for free vibration of a nonlocal nanostructure. International Journal of Mechanical Sciences, 2012, 54, 57-68.	3.6	60
48	Vibratory behaviour of shallow conical shells by a global Ritz formulation. Engineering Structures, 1995, 17, 63-70.	2.6	58
49	Exact solutions for vibration of cylindrical shells with intermediate ring supports. International Journal of Mechanical Sciences, 2002, 44, 1907-1924.	3.6	57
50	Analysis of the free vibration of rectangular plates with central cut-outs using the discrete Ritz method. International Journal of Mechanical Sciences, 2003, 45, 941-959.	3.6	56
51	Point temperature solution for a penny-shaped crack in an infinite transversely isotropic thermo-piezo-elastic medium. Engineering Analysis With Boundary Elements, 2005, 29, 524-532.	2.0	56
52	Approximate analytical solutions for oscillation of a mass attached to a stretched elastic wire. Journal of Sound and Vibration, 2007, 300, 1042-1047.	2.1	56
53	Exact Solutions for Free Vibrations of Functionally Graded Thick Plates on Elastic Foundations. Mechanics of Advanced Materials and Structures, 2009, 16, 576-584.	1.5	54
54	Is a nanorod (or nanotube) with a lower Youngâ€™s modulus stiffer? Is not Youngâ€™s modulus a stiffness indicator?. Science China: Physics, Mechanics and Astronomy, 2010, 53, 712-724.	2.0	54

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55	Elastic waves propagation in thin plate metamaterials and evidence of low frequency pseudo and local resonance bandgaps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2789-2796.	0.9	53
56	Lightweight architected lattice phononic crystals with broadband and multiband vibration mitigation characteristics. Extreme Mechanics Letters, 2020, 41, 100994.	2.0	53
57	Vibratory Characteristics of Cantilevered Rectangular Shallow Shells of Variable Thickness. AIAA Journal, 1994, 32, 387-396.	1.5	52
58	Wave propagation in carbon nanotubes: nonlocal elasticity-induced stiffness and velocity enhancement effects. Journal of Mechanics of Materials and Structures, 2010, 5, 459-476.	0.4	52
59	Elastic Foundation Induced Wide Bandgaps for Actively-tuned Topologically Protected Wave Propagation in Phononic Crystal Beams. International Journal of Mechanical Sciences, 2021, 194, 106215.	3.6	51
60	Three-dimensional electromechanical responses of a parallel piezoelectric bimorph. International Journal of Solids and Structures, 2001, 38, 2833-2849.	1.3	50
61	Improved harmonic balance approach to periodic solutions of non-linear jerk equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 95-100.	0.9	50
62	Theory of suspended carbon nanotube thinfilm as a thermal-acoustic source. Journal of Sound and Vibration, 2013, 332, 5451-5461.	2.1	49
63	Vibration of doubly-curved shallow shells. Acta Mechanica, 1996, 114, 95-119.	1.1	48
64	Numerical aspects for free vibration of thick plates part I: Formulation and verification. Computer Methods in Applied Mechanics and Engineering, 1998, 156, 15-29.	3.4	48
65	Dynamic stability of axially accelerating Timoshenko beam: Averaging method. European Journal of Mechanics, A/Solids, 2010, 29, 81-90.	2.1	48
66	Two-dimensional elasticity solutions for temperature-dependent in-plane vibration of FGM circular arches. Composite Structures, 2009, 90, 323-329.	3.1	47
67	Pull-in instability and free vibration of electrically actuated poly-SiGe graded micro-beams with a curved ground electrode. Applied Mathematical Modelling, 2012, 36, 1875-1884.	2.2	47
68	Active control for acoustic wave propagation in nonlinear diatomic acoustic metamaterials. International Journal of Non-Linear Mechanics, 2020, 125, 103535.	1.4	47
69	A Ritz vibration analysis of doubly-curved rectangular shallow shells using a refined first-order theory. Computer Methods in Applied Mechanics and Engineering, 1995, 127, 145-162.	3.4	46
70	TORSIONAL WAVE PROPAGATION AND VIBRATION OF CIRCULAR NANOSTRUCTURES BASED ON NONLOCAL ELASTICITY THEORY. International Journal of Applied Mechanics, 2014, 06, 1450011.	1.3	46
71	The effects of stiffness strengthening nonlocal stress and axial tension on free vibration of cantilever nanobeams. Interaction and Multiscale Mechanics, 2009, 2, 223-233.	0.4	46
72	Dynamic buckling of cylindrical shells subject to an axial impact in a symplectic system. International Journal of Solids and Structures, 2006, 43, 3905-3919.	1.3	45

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73	Nonlocal Stress Theory for Buckling Instability of Nanotubes: New Predictions on Stiffness Strengthening Effects of Nanoscales. Journal of Computational and Theoretical Nanoscience, 2010, 7, 2104-2111.	0.4	45
74	Nonlinear vibration of a traveling belt with non-homogeneous boundaries. Journal of Sound and Vibration, 2018, 424, 78-93.	2.1	45
75	On the piezoelectric effect on stability of symmetric FGM porous nanobeams. Composite Structures, 2021, 267, 113880.	3.1	45
76	Thermal effects on buckling of shear deformable nanocolumns with von KÃ¡rmÃ¡n nonlinearity based on nonlocal stress theory. Nonlinear Analysis: Real World Applications, 2012, 13, 905-922.	0.9	44
77	Timoshenko curved beam bending solutions in terms of Euler-Bernoulli solutions. Archive of Applied Mechanics, 1997, 67, 179-190.	1.2	43
78	Nonlinear vibrations of nano-beams accounting for nonlocal effect using a multiple scale method. Science in China Series D: Earth Sciences, 2009, 52, 617-621.	0.9	43
79	A distributed-parameter electromechanical coupling model for a segmented arc-shaped piezoelectric energy harvester. Mechanical Systems and Signal Processing, 2021, 146, 107005.	4.4	43
80	Analytical approximation to large-amplitude oscillation of a non-linear conservative system. International Journal of Non-Linear Mechanics, 2003, 38, 1037-1043.	1.4	42
81	Actively controllable topological phase transition in phononic beam systems. International Journal of Mechanical Sciences, 2020, 180, 105668.	3.6	42
82	Surface effect on the propagation of flexural waves in periodic nano-beam and the size-dependent topological properties. Composite Structures, 2019, 216, 427-435.	3.1	41
83	Dynamic local and global buckling of cylindrical shells under axial impact. Engineering Structures, 2009, 31, 1132-1140.	2.6	40
84	Active control of a flexible hub-beam system using optimal tracking control method. International Journal of Mechanical Sciences, 2006, 48, 1150-1162.	3.6	39
85	Asymptotic analysis of axially accelerating viscoelastic strings. International Journal of Engineering Science, 2008, 46, 976-985.	2.7	39
86	Surface effects on the buckling behaviors of piezoelectric cylindrical nanoshells using nonlocal continuum model. Applied Mathematical Modelling, 2018, 59, 341-356.	2.2	39
87	Analytical solutions for single- and multi-span functionally graded plates in cylindrical bending. International Journal of Solids and Structures, 2005, 42, 6433-6456.	1.3	38
88	3D point force solution for a permeable penny-shaped crack embedded in an infinite transversely isotropic piezoelectric medium. International Journal of Fracture, 2005, 131, 231-246.	1.1	38
89	Stress concentration around a nano-scale spherical cavity in elastic media: effect of surface stress. European Journal of Mechanics, A/Solids, 2006, 25, 260-270.	2.1	38
90	Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. Journal of Sound and Vibration, 2012, 331, 3397-3411.	2.1	38

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91	Buckling of Functionally Graded Cylindrical Shells Under Combined Thermal and Compressive Loads. Journal of Thermal Stresses, 2014, 37, 340-362.	1.1	38
92	Accurate buckling analysis for shear deformable FGM cylindrical shells under axial compression and thermal loads. Composite Structures, 2015, 123, 246-256.	3.1	38
93	Vibrations of Perforated Plates with Rounded Corners. Journal of Engineering Mechanics - ASCE, 1995, 121, 203-213.	1.6	37
94	Dynamics studies of a flexible hubâ€“beam system with significant damping effect. Journal of Sound and Vibration, 2008, 318, 1-17.	2.1	37
95	Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. Smart Materials and Structures, 2010, 19, 115028.	1.8	37
96	Numerical and analytical approximations to large post-buckling deformation of MEMS. International Journal of Mechanical Sciences, 2012, 55, 95-103.	3.6	37
97	Effects of initial twist and thickness variation on the vibration behaviour of shallow conical shells. Journal of Sound and Vibration, 1995, 180, 271-296.	2.1	36
98	Vibration analysis of symmetrically laminated thick rectangular plates using the higher-order theory and p-Ritz method. Journal of the Acoustical Society of America, 1997, 102, 1600-1611.	0.5	36
99	A New Method for Approximate Analytical Solutions to Nonlinear Oscillations of Nonnatural Systems. Nonlinear Dynamics, 2003, 32, 1-13.	2.7	36
100	A new symplectic approach for piezoelectric cantilever composite plates. Computers and Structures, 2008, 86, 1865-1874.	2.4	36
101	3D thermoelasticity solutions for functionally graded thick plates. Journal of Zhejiang University: Science A, 2009, 10, 327-336.	1.3	36
102	Transverse Vibration Of Trapezoidal Plates Of Variable Thickness: Unsymmetric Trapezoids. Journal of Sound and Vibration, 1994, 177, 479-501.	2.1	35
103	Vibration of perforated doubly-curved shallow shells with rounded corners. International Journal of Solids and Structures, 1994, 31, 1519-1536.	1.3	35
104	Application of EMI Technique for Crack Detection in Continuous Beams Adhesively Bonded with Multiple Piezoelectric Patches. Mechanics of Advanced Materials and Structures, 2008, 15, 1-11.	1.5	35
105	Thermal buckling of nanorod based on non-local elasticity theory. International Journal of Non-Linear Mechanics, 2012, 47, 496-505.	1.4	35
106	Vibration of pretwisted cantilever trapezoidal symmetric laminates. Acta Mechanica, 1995, 111, 193-208.	1.1	34
107	Three-dimensional exact solution for inhomogeneous and laminated piezoelectric plates. International Journal of Engineering Science, 1999, 37, 1425-1439.	2.7	34
108	Three-dimensional vibration analysis of a cantilevered parallelepiped: Exact and approximate solutions. Journal of the Acoustical Society of America, 1999, 106, 3375-3383.	0.5	34

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109	Benchmark symplectic solutions for bending of corner-supported rectangular thin plates. IES Journal Part A: Civil and Structural Engineering, 2008, 1, 106-115.	0.4	34
110	Statistical analysis for stochastic systems including fractional derivatives. Nonlinear Dynamics, 2010, 59, 339-349.	2.7	34
111	Wave propagation in fluid-filled single-walled carbon nanotube on analytically nonlocal Eulerâ€“Bernoulli beam model. Journal of Sound and Vibration, 2012, 331, 1567-1579.	2.1	34
112	Accurate symplectic space solutions for thermal buckling of functionally graded cylindrical shells. Composites Part B: Engineering, 2013, 55, 208-214.	5.9	34
113	A New Analytical Approach for Free Vibration, Buckling and Forced Vibration of Rectangular Nanoplates Based on Nonlocal Elasticity Theory. International Journal of Structural Stability and Dynamics, 2018, 18, 1850055.	1.5	34
114	Vibration of cantilevered laminated composite shallow conical shells. International Journal of Solids and Structures, 1998, 35, 1695-1707.	1.3	33
115	Accurate higher-order approximations to frequencies of nonlinear oscillators with fractional powers. Journal of Sound and Vibration, 2005, 281, 1157-1162.	2.1	32
116	Stiffness tuning of a functional-switchable active coding elastic metasurface. International Journal of Mechanical Sciences, 2021, 207, 106654.	3.6	32
117	A nonlocal finite element method for torsional statics and dynamics of circular nanostructures. International Journal of Mechanical Sciences, 2015, 94-95, 232-243.	3.6	31
118	Electromechanical responses of piezoelectric fiber composites with sliding interface under anti-plane deformations. Composites Part B: Engineering, 2003, 34, 373-381.	5.9	30
119	Buckling of Vertical Cylindrical Shells Under Combined End Pressure and Body Force. Journal of Engineering Mechanics - ASCE, 2003, 129, 876-884.	1.6	30
120	Gas-Filled Encapsulated Thermal-Acoustic Transducer. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.0	30
121	Accurate thermo-electro-mechanical buckling of shear deformable piezoelectric fiber-reinforced composite cylindrical shells. Composite Structures, 2016, 141, 221-231.	3.1	30
122	Accurate buckling solutions of grid-stiffened functionally graded cylindrical shells under compressive and thermal loads. Composites Part B: Engineering, 2016, 89, 96-107.	5.9	30
123	Analytical asymptotic approximations for large amplitude nonlinear free vibration of a dielectric elastomer balloon. Nonlinear Dynamics, 2017, 88, 2255-2264.	2.7	30
124	A finite element algorithm for reanalysis of structures with added degrees of freedom. Finite Elements in Analysis and Design, 2004, 40, 1791-1801.	1.7	29
125	An electromechanical impedance approach for quantitative damage detection in Timoshenko beams with piezoelectric patches. Smart Materials and Structures, 2007, 16, 1390-1400.	1.8	29
126	TORSIONAL BUCKLING OF FUNCTIONALLY GRADED CYLINDRICAL SHELLS WITH TEMPERATURE-DEPENDENT PROPERTIES. International Journal of Structural Stability and Dynamics, 2014, 14, 1350048.	1.5	29

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127	Free Vibration of Pretwisted, Cantilevered Composite Shallow Conical Shells. AIAA Journal, 1997, 35, 327-333.	1.5	28
128	A new two-dimensional model for electro-mechanical response of thick laminated piezoelectric actuator. International Journal of Solids and Structures, 2005, 42, 5589-5611.	1.3	28
129	A global continuum Ritz formulation for flexural vibration of pretwisted trapezoidal plates with one edge built in. Computer Methods in Applied Mechanics and Engineering, 1994, 114, 233-247.	3.4	27
130	A free-vibration analysis of doubly connected super-elliptical laminated composite plates. Composites Science and Technology, 1998, 58, 435-445.	3.8	27
131	Time-dependent interfacial sliding in fiber composites under longitudinal shear. Composites Science and Technology, 2001, 61, 579-584.	3.8	27
132	A new unconstrained third-order plate theory for Navier solutions of symmetrically laminated plates. Computers and Structures, 2003, 81, 2539-2548.	2.4	27
133	Nonlocal thermal-elasticity for nanobeam deformation: Exact solutions with stiffness enhancement effects. Journal of Applied Physics, 2011, 110, 013514.	1.1	27
134	Twisting statics and dynamics for circular elastic nanosolids by nonlocal elasticity theory. Acta Mechanica Solida Sinica, 2011, 24, 484-494.	1.0	27
135	Tunable frequency response of topologically protected interface modes for membrane-type metamaterials via voltage control. Journal of Sound and Vibration, 2021, 494, 115870.	2.1	27
136	Vibratory characteristics of general laminates. Journal of Sound and Vibration, 1995, 183, 615-642.	2.1	26
137	Vibration and buckling characteristics of cracked natural fiber reinforced composite plates with corner point-supports. Engineering Structures, 2020, 214, 110614.	2.6	26
138	A New Nonlocal Cylindrical Shell Model for Axisymmetric Wave Propagation in Carbon Nanotubes. Advanced Science Letters, 2011, 4, 121-131.	0.2	26
139	Vibration of shallow conical shells with shear flexibility: A first-order theory. International Journal of Solids and Structures, 1996, 33, 451-468.	1.3	25
140	Free vibration of long-span continuous rectangular Kirchhoff plates with internal rigid line supports. Journal of Sound and Vibration, 2006, 297, 351-364.	2.1	25
141	Gap separation effect on thermoacoustic wave generation by heated suspended CNT nano-thinfilm. Applied Thermal Engineering, 2015, 86, 135-142.	3.0	25
142	Relaxation and mixed mode oscillations in a shape memory alloy oscillator driven by parametric and external excitations. Chaos, Solitons and Fractals, 2020, 140, 110145.	2.5	25
143	Surface elastic waves whispering gallery modes based subwavelength tunable waveguide and cavity modes of the phononic crystals. Mechanics of Advanced Materials and Structures, 2020, 27, 1053-1064.	1.5	25
144	Phononic metastructures with ultrawide low frequency three-dimensional bandgaps as broadband low frequency filter. Scientific Reports, 2021, 11, 7137.	1.6	25

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145	Dissipative Multiresonant Pillared and Trampoline Metamaterials With Amplified Local Resonance Bandgaps and Broadband Vibration Attenuation. Journal of Vibration and Acoustics, Transactions of the ASME, 2020, 142, .	1.0	25
146	Free Vibration Analysis of Thick Superelliptical Plates. Journal of Engineering Mechanics - ASCE, 1998, 124, 137-145.	1.6	24
147	DSC-Ritz element method for vibration analysis of rectangular Mindlin plates with mixed edge supports. European Journal of Mechanics, A/Solids, 2010, 29, 619-628.	2.1	24
148	Coupling effect assessment of vacuum based pozzolana slurry encrusted recycled aggregate and basalt fiber on mechanical performance of fiber reinforced concrete. Construction and Building Materials, 2021, 300, 124032.	3.2	24
149	Forest Trees as Naturally Available Seismic Metamaterials: Low Frequency Rayleigh Wave with Extremely Wide Bandgaps. International Journal of Structural Stability and Dynamics, 2020, 20, 2043014.	1.5	24
150	Vibratory Behavior of Doubly Curved Shallow Shells of Curvilinear Planform. Journal of Engineering Mechanics - ASCE, 1995, 121, 1277-1283.	1.6	23
151	EFFECTS OF SUBTENDED AND VERTEX ANGLES ON THE FREE VIBRATION OF OPEN CONICAL SHELL PANELS: A CONICAL CO-ORDINATE APPROACH. Journal of Sound and Vibration, 1999, 219, 813-835.	2.1	23
152	Three-dimensional analysis of an antiparallel piezoelectric bimorph. Acta Mechanica, 2000, 145, 189-204.	1.1	23
153	A new approximate analytical approach for dispersion relation of the nonlinear Kleinâ€“Gordon equation. Chaos, 2001, 11, 843-848.	1.0	23
154	Dynamic torsional buckling of cylindrical shells. Computers and Structures, 2010, 88, 322-330.	2.4	23
155	Super-harmonic resonance and multi-frequency responses of a super-critical translating beam. Journal of Sound and Vibration, 2016, 385, 267-283.	2.1	23
156	Wide Rayleigh waves bandgap engineered metabarriers for ground born vibration attenuation. Engineering Structures, 2021, 246, 113019.	2.6	23
157	Optimal tracking control of a flexible hubâ€“beam system with time delay. Multibody System Dynamics, 2006, 16, 331-350.	1.7	22
158	Transverse vibration of pre-tensioned nonlocal nanobeams with precise internal axial loads. Science China Technological Sciences, 2011, 54, 2007-2013.	2.0	22
159	Thermo-Electro-Mechanical Size-Dependent Buckling Response for Functionally Graded Graphene Platelet Reinforced Piezoelectric Cylindrical Nanoshells. International Journal of Structural Stability and Dynamics, 2020, 20, 2050100.	1.5	22
160	Assessment of first and third order shear deformation beam theories for the buckling and vibration analysis of nanobeams incorporating surface stress effects. International Journal of Mechanical Sciences, 2020, 186, 105873.	3.6	22
161	Influence of Elevated Temperatures on the Mechanical Performance of Sustainable-Fiber-Reinforced Recycled Aggregate Concrete: A Review. Buildings, 2022, 12, 487.	1.4	22
162	Three-dimensional exact solutions for the electromechanical response of triple-layer piezoelectric actuators. Smart Materials and Structures, 2004, 13, 1050-1058.	1.8	21

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163	Forced Vibration of Electrically Actuated FGM Micro-Switches. Procedia Engineering, 2011, 14, 280-287.	1.2	21
164	Numerical aspects for free vibration of thick plates part II: Numerical efficiency and vibration frequencies. Computer Methods in Applied Mechanics and Engineering, 1998, 156, 31-44.	3.4	20
165	Vibration of open cylindrical shells: A three-dimensional elasticity approach. Journal of the Acoustical Society of America, 1998, 104, 1436-1443.	0.5	20
166	Properties of rapidly annealed Ti50Ni25Cu25 melt-spun ribbon. Journal of Alloys and Compounds, 2006, 416, 188-193.	2.8	20
167	Analytical approximate solutions to oscillation of a current-carrying wire in a magnetic field. Nonlinear Analysis: Real World Applications, 2009, 10, 1882-1890.	0.9	20
168	Mathematical modelling of phononic nanoplate and its size-dependent dispersion and topological properties. Applied Mathematical Modelling, 2020, 88, 774-790.	2.2	20
169	Effective recycling of disposable medical face masks for sustainable green concrete via a new fiber hybridization technique. Construction and Building Materials, 2022, 344, 128245.	3.2	20
170	A generalization of the Senatorâ€“Bapat method for certain strongly nonlinear oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 164-169.	0.9	19
171	Accurate approximate analytical solutions for nonlinear free vibration of systems with serial linear and nonlinear stiffness. Journal of Sound and Vibration, 2007, 307, 720-736.	2.1	19
172	Free vibration of pre-tensioned nanobeams based on nonlocal stress theory. Journal of Zhejiang University: Science A, 2010, 11, 34-42.	1.3	19
173	A SYMPLECTIC HAMILTONIAN APPROACH FOR THERMAL BUCKLING OF CYLINDRICAL SHELLS. International Journal of Structural Stability and Dynamics, 2010, 10, 273-286.	1.5	19
174	Vibration and Stability of an Axially Moving Beam on Elastic Foundation. Advances in Structural Engineering, 2010, 13, 241-247.	1.2	19
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