Marco Amabili

List of Publications by Year
in descending order

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Version: 2024-02-01

367 papers	13,812 citations	16791 66 h-index	42259 96 g-index
384 all docs	384 docs citations	384 times ranked	4090 citing authors

#	Article	IF	Citations
1	Review of studies on geometrically nonlinear vibrations and dynamics of circular cylindrical shells and panels, with and without fluid-structure interaction. Applied Mechanics Reviews, 2003, 56, 349-381.	4.5	356
2	Nonlinear behaviour of electrically actuated MEMS resonators. International Journal of Engineering Science, 2013, 71, 137-155.	2.7	256
3	Nonlinear forced vibrations of a microbeam based on the strain gradient elasticity theory. International Journal of Engineering Science, 2013, 63, 52-60.	2.7	252
4	Nonlinear dynamics of a microscale beam based on the modified couple stress theory. Composites Part B: Engineering, 2013, 50, 318-324.	5.9	244
5	Nonlinear dynamics of a geometrically imperfect microbeam based on the modified couple stress theory. International Journal of Engineering Science, 2013, 68, 11-23.	2.7	241
6	Three-dimensional nonlinear size-dependent behaviour of Timoshenko microbeams. International Journal of Engineering Science, 2013, 71, 1-14.	2.7	212
7	Non-linear vibrations of shells: A literature review from 2003 to 2013. International Journal of Non-Linear Mechanics, 2014, 58, 233-257.	1.4	198
8	A comparison of shell theories for large-amplitude vibrations of circular cylindrical shells: Lagrangian approach. Journal of Sound and Vibration, 2003, 264, 1091-1125.	2.1	181
9	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID. PART I: STABILITY. Journal of Sound and Vibration, 1999, 225, 655-699.	2.1	179
10	In-plane and out-of-plane motion characteristics of microbeams with modal interactions. Composites Part B: Engineering, 2014, 60, 423-439.	5.9	176
11	Nonlinear normal modes for damped geometrically nonlinear systems: Application to reduced-order modelling of harmonically forced structures. Journal of Sound and Vibration, 2006, 298, 958-981.	2.1	165
12	A new non-linear higher-order shear deformation theory for large-amplitude vibrations of laminated doubly curved shells. International Journal of Non-Linear Mechanics, 2010, 45, 409-418.	1.4	165
13	FREE VIBRATIONS OF CIRCULAR PLATES COUPLED WITH LIQUIDS: REVISING THE LAMB PROBLEM. Journal of Fluids and Structures, 1996, 10, 743-761.	1.5	155
14	Nonlinear vibrations of rectangular plates with different boundary conditions: theory and experiments. Computers and Structures, 2004, 82, 2587-2605.	2.4	148
15	DYNAMIC ANALYSIS OF SPUR GEAR PAIRS: STEADY-STATE RESPONSE AND STABILITY OF THE SDOF MODEL WITH TIME-VARYING MESHING DAMPING. Mechanical Systems and Signal Processing, 1997, 11, 375-390.	4.4	147
16	Nonlinear vibrations of functionally graded doubly curved shallow shells. Journal of Sound and Vibration, 2011, 330, 1432-1454.	2.1	147
17	NONLINEAR VIBRATIONS OF SIMPLY SUPPORTED, CIRCULAR CYLINDRICAL SHELLS, COUPLED TO QUIESCENT FLUID. Journal of Fluids and Structures, 1998, 12, 883-918.	1.5	139
18	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID, PART II: LARGE-AMPLITUDE VIBRATIONS WITHOUT FLOW. Journal of Sound and Vibration, 1999, 228, 1103-1124.	2.1	133

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19	Theory and experiments for large-amplitude vibrations of empty and fluid-filled circular cylindrical shells with imperfections. Journal of Sound and Vibration, 2003, 262, 921-975.	2.1	133
20	Nonlinear damping in large-amplitude vibrations: modelling and experiments. Nonlinear Dynamics, 2018, 93, 5-18.	2.7	123
21	Hydroelastic vibration of circular plates immersed in a liquid-filled container with free surface. Journal of Sound and Vibration, 2013, 332, 3064-3085.	2.1	122
22	Nonlinear vibrations of FGM rectangular plates in thermal environments. Nonlinear Dynamics, 2011, 66, 251-270.	2.7	120
23	Non-linear vibrations of doubly curved shallow shells. International Journal of Non-Linear Mechanics, 2005, 40, 683-710.	1.4	118
24	Nonlinear damping in nonlinear vibrations of rectangular plates: Derivation from viscoelasticity and experimental validation. Journal of the Mechanics and Physics of Solids, 2018, 118, 275-292.	2.3	117
25	Theory and experiments for large-amplitude vibrations of rectangular plates with geometric imperfections. Journal of Sound and Vibration, 2006, 291, 539-565.	2.1	116
26	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID. PART III: TRUNCATION EFFECT WITHOUT FLOW AND EXPERIMENTS. Journal of Sound and Vibration, 2000, 237, 617-640.	2.1	110
27	FREE VIBRATIONS OF ANNULAR PLATES COUPLED WITH FLUIDS. Journal of Sound and Vibration, 1996, 191, 825-846.	2.1	109
28	FREE VIBRATION OF PARTIALLY FILLED, HORIZONTAL CYLINDRICAL SHELLS. Journal of Sound and Vibration, 1996, 191, 757-780.	2.1	105
29	Nonlinear dynamics of cantilevered extensible pipes conveying fluid. Journal of Sound and Vibration, 2013, 332, 6405-6418.	2.1	105
30	VIBRATIONS OF PARTIALLY FILLED CYLINDRICAL TANKS WITH RING-STIFFENERS AND FLEXIBLE BOTTOM. Journal of Sound and Vibration, 1998, 213, 259-299.	2.1	103
31	EFFECT OF FINITE FLUID DEPTH ON THE HYDROELASTIC VIBRATIONS OF CIRCULAR AND ANNULAR PLATES. Journal of Sound and Vibration, 1996, 193, 909-925.	2.1	102
32	Exact solution for linear buckling of rectangular Mindlin plates. Journal of Sound and Vibration, 2008, 315, 318-342.	2.1	97
33	Nonlinear dynamic characterization of two-dimensional materials. Nature Communications, 2017, 8, 1253.	5.8	96
34	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID. PART IV: LARGE-AMPLITUDE VIBRATIONS WITH FLOW. Journal of Sound and Vibration, 2000, 237, 641-666.	2.1	90
35	Nonlinear Supersonic Flutter of Circular Cylindrical Shells. AIAA Journal, 2001, 39, 564-573.	1.5	90
36	Effect of the geometry on the non-linear vibration of circular cylindrical shells. International Journal of Non-Linear Mechanics, 2002, 37, 1181-1198.	1.4	90

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37	Reduced-order models for nonlinear vibrations of cylindrical shells via the proper orthogonal decomposition method. Journal of Fluids and Structures, 2003, 18, 227-250.	1.5	89
38	EIGENVALUE PROBLEMS FOR VIBRATING STRUCTURES COUPLED WITH QUIESCENT FLUIDS WITH FREE SURFACE. Journal of Sound and Vibration, 2000, 231, 79-97.	2.1	88
39	Non-linearities in rotation and thickness deformation in a new third-order thickness deformation theory for static and dynamic analysis of isotropic and laminated doubly curved shells. International Journal of Non-Linear Mechanics, 2015, 69, 109-128.	1.4	87
40	Nonlinear Vibrations and Multiple Resonances of Fluid-Filled, Circular Shells, Part 1: Equations of Motion and Numerical Results. Journal of Vibration and Acoustics, Transactions of the ASME, 2000, 122, 346-354.	1.0	86
41	Multimode Approach to Nonlinear Supersonic Flutter of Imperfect Circular Cylindrical Shells. Journal of Applied Mechanics, Transactions ASME, 2002, 69, 117-129.	1.1	86
42	Stability and vibration of empty and fluid-filled circular cylindrical shells under static and periodic axial loads. International Journal of Solids and Structures, 2003, 40, 3229-3251.	1.3	86
43	Coupled global dynamics of an axially moving viscoelastic beam. International Journal of Non-Linear Mechanics, 2013, 51, 54-74.	1.4	85
44	Identification of the viscoelastic response and nonlinear damping of a rubber plate in nonlinear vibration regime. Mechanical Systems and Signal Processing, 2018, 111, 376-398.	4.4	85
45	Coupled longitudinal-transverse dynamics of an axially moving beam with an internal resonance. Mechanism and Machine Theory, 2012, 52, 18-34.	2.7	84
46	Nonlinear vibrations and stability of an axially moving beam with an intermediate spring support: two-dimensional analysis. Nonlinear Dynamics, 2012, 70, 335-354.	2.7	80
47	Nonlinear dynamics of axially moving plates. Journal of Sound and Vibration, 2013, 332, 391-406.	2.1	80
48	Coupled longitudinal-transverse behaviour of a geometrically imperfect microbeam. Composites Part B: Engineering, 2014, 60, 371-377.	5.9	80
49	Dynamics of a pipe conveying fluid flexibly restrained at the ends. Journal of Fluids and Structures, 2014, 49, 360-385.	1.5	79
50	Nonlinear vibrations of viscoelastic rectangular plates. Journal of Sound and Vibration, 2016, 362, 142-156.	2.1	79
51	A review of size-dependent continuum mechanics models for micro- and nano-structures. Thin-Walled Structures, 2022, 170, 108562.	2.7	78
52	The nonlinear, third-order thickness and shear deformation theory for statics and dynamics of laminated composite shells. Composite Structures, 2020, 244, 112265.	3.1	77
53	VIBRATIONS OF CIRCULAR CYLINDRICAL SHELLS WITH NONUNIFORM CONSTRAINTS, ELASTIC BED AND ADDED MASS; PART I: EMPTY AND FLUID-FILLED SHELLS. Journal of Fluids and Structures, 2000, 14, 669-690.	1.5	76
54	Nonlinear vibrations of thin hyperelastic plates. Journal of Sound and Vibration, 2014, 333, 4668-4681.	2.1	76

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55	Thermal effects on nonlinear vibrations of functionally graded doubly curved shells using higher order shear deformation theory. Composite Structures, 2011, 93, 2541-2553.	3.1	75
56	Steady-state transverse response of an axially moving beam with time-dependent axial speed. International Journal of Non-Linear Mechanics, 2013, 49, 40-49.	1.4	75
57	Reduced-order models for nonlinear vibrations of fluid-filled circular cylindrical shells: Comparison of POD and asymptotic nonlinear normal modes methods. Journal of Fluids and Structures, 2007, 23, 885-903.	1.5	74
58	Nonlinear vibrations of laminated circular cylindrical shells: Comparison of different shell theories. Composite Structures, 2011, 94, 207-220.	3.1	74
59	Nonlinear dynamics of axially moving viscoelastic beams over the buckled state. Computers and Structures, 2012, 112-113, 406-421.	2.4	74
60	Coupled nonlinear size-dependent behaviour of microbeams. Applied Physics A: Materials Science and Processing, 2013, 112, 329-338.	1.1	73
61	VIBRATION OF CIRCULAR PLATES ON A FREE FLUID SURFACE: EFFECT OF SURFACE WAVES. Journal of Sound and Vibration, 1999, 226, 407-424.	2.1	72
62	Physically and geometrically non-linear vibrations of thin rectangular plates. International Journal of Non-Linear Mechanics, 2014, 58, 30-40.	1.4	71
63	Derivation of nonlinear damping from viscoelasticity in case of nonlinear vibrations. Nonlinear Dynamics, 2019, 97, 1785-1797.	2.7	71
64	VIBRATIONS OF CIRCULAR PLATES RESTING ON A SLOSHING LIQUID: SOLUTION OF THE FULLY COUPLED PROBLEM. Journal of Sound and Vibration, 2001, 245, 261-283.	2.1	70
65	VIBRATIONS OF CIRCULAR CYLINDRICAL SHELLS WITH NONUNIFORM CONSTRAINTS, ELASTIC BED AND ADDED MASS. PART II: SHELLS CONTAINING OR IMMERSED IN AXIAL FLOW. Journal of Fluids and Structures, 2002, 16, 31-51.	1.5	70
66	Chaotic vibrations of circular cylindrical shells: Galerkin versus reduced-order models via the proper orthogonal decomposition method. Journal of Sound and Vibration, 2006, 290, 736-762.	2.1	70
67	Nonlinear dynamics of an axially moving Timoshenko beam with an internal resonance. Nonlinear Dynamics, 2013, 73, 39-52.	2.7	70
68	Effect of geometric imperfections on non-linear stability of circular cylindrical shells conveying fluid. International Journal of Non-Linear Mechanics, 2009, 44, 276-289.	1.4	69
69	Shear deformable versus classical theories for nonlinear vibrations of rectangular isotropic and laminated composite plates. Journal of Sound and Vibration, 2009, 320, 649-667.	2.1	67
70	Thermo-mechanical nonlinear dynamics of a buckled axially moving beam. Archive of Applied Mechanics, 2013, 83, 25-42.	1.2	67
71	Active vibration control of a sandwich plate by non-collocated positive position feedback. Journal of Sound and Vibration, 2015, 342, 44-56.	2.1	67
72	Nonlinear resonant behavior of microbeams over the buckled state. Applied Physics A: Materials Science and Processing, 2013, 113, 297-307.	1.1	65

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73	Nonlinear vibrations and stability of an axially moving Timoshenko beam with an intermediate spring support. Mechanism and Machine Theory, 2013, 67, 1-16.	2.7	65
74	Dynamic instability and chaos of empty and fluid-filled circular cylindrical shells under periodic axial loads. Journal of Sound and Vibration, 2006, 293, 227-252.	2.1	64
75	Damping for large-amplitude vibrations of plates and curved panels, Part 1: Modeling and experiments. International Journal of Non-Linear Mechanics, 2016, 85, 23-40.	1.4	63
76	Active vibration control of a composite sandwich plate. Composite Structures, 2015, 128, 100-114.	3.1	62
77	Layer-specific hyperelastic and viscoelastic characterization of human descending thoracic aortas. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 99, 27-46.	1.5	62
78	Non-linear dynamics and stability of circular cylindrical shells conveying flowing fluid. Computers and Structures, 2002, 80, 899-906.	2.4	59
79	Polynomial versus trigonometric expansions for nonlinear vibrations of circular cylindrical shells with different boundary conditions. Journal of Sound and Vibration, 2010, 329, 1435-1449.	2.1	59
80	A new third-order shear deformation theory with non-linearities in shear for static and dynamic analysis of laminated doubly curved shells. Composite Structures, 2015, 128, 260-273.	3.1	59
81	Damping for large-amplitude vibrations of plates and curved panels, part 2: Identification and comparisons. International Journal of Non-Linear Mechanics, 2016, 85, 226-240.	1.4	59
82	Thermal effects on geometrically nonlinear vibrations of rectangular plates with fixed edges. Journal of Sound and Vibration, 2009, 321, 936-954.	2.1	58
83	Internal resonances in non-linear vibrations of a laminated circular cylindrical shell. Nonlinear Dynamics, 2012, 69, 755-770.	2.7	57
84	Nonlinear higher-order shell theory for incompressible biological hyperelastic materials. Computer Methods in Applied Mechanics and Engineering, 2019, 346, 841-861.	3.4	57
85	SHELLâ€“PLATE INTERACTION IN THE FREE VIBRATIONS OF CIRCULAR CYLINDRICAL TANKS PARTIALLY FILLED WITH A LIQUID: THE ARTIFICIAL SPRING METHOD. Journal of Sound and Vibration, 1997, 199, 431-452.	2.1	56
86	Nonlinear stability of cylindrical shells subjected to axial flow: Theory and experiments. Journal of Sound and Vibration, 2008, 309, 637-676.	2.1	56
87	Breathing Vibrations of a Horizontal Circular Cylindrical Tank Shell, Partially Filled With Liquid. Journal of Vibration and Acoustics, Transactions of the ASME, 1995, 117, 187-191.	1.0	55
88	Nonlinear vibrations of laminated and sandwich rectangular plates with free edges. Part 1: Theory and numerical simulations. Composite Structures, 2013, 105, 422-436.	3.1	55
89	Non-linear static bending and forced vibrations of rectangular plates retaining non-linearities in rotations and thickness deformation. International Journal of Non-Linear Mechanics, 2014, 67, 394-404.	1.4	54
90	RITZ METHOD AND SUBSTRUCTURING IN THE STUDY OF VIBRATION WITH STRONG FLUIDâ€“STRUCTURE INTERACTION. Journal of Fluids and Structures, 1997, 11, 507-523.	1.5	53

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91	VIBRATIONS OF BASE PLATES IN ANNULAR CYLINDRICAL TANKS: THEORY AND EXPERIMENTS. Journal of Sound and Vibration, 1998, 210, 329-350.	2.1	53
92	Transition to chaotic vibrations for harmonically forced perfect and imperfect circular plates. International Journal of Non-Linear Mechanics, 2011, 46, 234-246.	1.4	51
93	Travelling wave and non-stationary response in nonlinear vibrations of water-filled circular cylindrical shells: Experiments and simulations. Journal of Sound and Vibration, 2016, 381, 220-245.	2.1	50
94	A Paper-Based Piezoelectric Accelerometer. Micromachines, 2018, 9, 19.	1.4	50
95	A review on the statics and dynamics of electrically actuated nano and micro structures. International Journal of Non-Linear Mechanics, 2021, 129, 103658.	1.4	50
96	Nonlinear vibrations of circular cylindrical panels. Journal of Sound and Vibration, 2005, 281, 509-535.	2.1	49
97	Anisotropic fractional viscoelastic constitutive models for human descending thoracic aortas. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 99, 186-197.	1.5	49
98	Estimation of tensile force in tie-rods using a frequency-based identification method. Journal of Sound and Vibration, 2010, 329, 2057-2067.	2.1	48
99	A TECHNIQUE FOR THE SYSTEMATIC CHOICE OF ADMISSIBLE FUNCTIONS IN THE RAYLEIGHâ€“RITZ METHOD. Journal of Sound and Vibration, 1999, 224, 519-539.	2.1	47
100	Nonlinear vibrations of laminated and sandwich rectangular plates with free edges. Part 2: Experiments & comparisons. Composite Structures, 2013, 105, 437-445.	3.1	46
101	Theory and experiments for nonlinear vibrations of imperfect rectangular plates with free edges. Journal of Sound and Vibration, 2013, 332, 3564-3588.	2.1	45
102	Nonlinear vibrations of shallow shells with complex boundary: R-functions method and experiments. Journal of Sound and Vibration, 2007, 306, 580-600.	2.1	44
103	A non-linear higher-order thickness stretching and shear deformation theory for large-amplitude vibrations of laminated doubly curved shells. International Journal of Non-Linear Mechanics, 2014, 58, 57-75.	1.4	44
104	Static and Dynamic Behavior of Circular Cylindrical Shell Made of Hyperelastic Arterial Material. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	1.1	44
105	Experimental and numerical study on vibrations and static deflection of a thin hyperelastic plate. Journal of Sound and Vibration, 2016, 385, 81-92.	2.1	43
106	Nonlinear vibrations and stability of laminated shells using a modified first-order shear deformation theory. European Journal of Mechanics, A/Solids, 2018, 68, 75-87.	2.1	43
107	Nonlinear vibrations of fluid-filled clamped circular cylindrical shells. Journal of Fluids and Structures, 2005, 21, 579-595.	1.5	42
108	Reduced-order models for large-amplitude vibrations of shells including in-plane inertia. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 2030-2045.	3.4	42

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109	A new twelve-parameter spectral/hp shell finite element for large deformation analysis of composite shells. Composite Structures, 2016, 151, 183-196.	3.1	42
110	Nonlinear vibrations of angle-ply laminated circular cylindrical shells: Skewed modes. Composite Structures, 2012, 94, 3697-3709.	3.1	41
111	Effect of thickness deformation on large-amplitude vibrations of functionally graded rectangular plates. Composite Structures, 2014, 113, 89-107.	3.1	41
112	NONLINEAR VIBRATIONS OF RECTANGULAR LAMINATED COMPOSITE PLATES WITH DIFFERENT BOUNDARY CONDITIONS. International Journal of Structural Stability and Dynamics, 2011, 11, 673-695.	1.5	40
113	Nonlinear Stability of Circular Cylindrical Shells in Annular and Unbounded Axial Flow. Journal of Applied Mechanics, Transactions ASME, 2001, 68, 827-834.	1.1	39
114	Theory and experiments for large-amplitude vibrations of circular cylindrical panels with geometric imperfections. Journal of Sound and Vibration, 2006, 298, 43-72.	2.1	39
115	Coupled vibrations of a partially fluid-filled cylindrical container with an internal body including the effect of free surface waves. Journal of Fluids and Structures, 2011, 27, 1049-1067.	1.5	39
116	Forced nonlinear vibrations of circular cylindrical sandwich shells with cellular core using higher-order shear and thickness deformation theory. Journal of Sound and Vibration, 2021, 510, 116283.	2.1	39
117	Bulging Modes of Circular Bottom Plates in Rigid Cylindrical Containers Filled with a Liquid. Shock and Vibration, 1997, 4, 51-68.	0.3	38
118	Nonlinear Vibrations and Multiple Resonances of Fluid-Filled, Circular Shells, Part 2: Perturbation Analysis. Journal of Vibration and Acoustics, Transactions of the ASME, 2000, 122, 355-364.	1.0	38
119	Parametric instability of a circular cylindrical shell with geometric imperfections. Computers and Structures, 2004, 82, 2635-2645.	2.4	38
120	Post-buckling bifurcations and stability of high-speed axially moving beams. International Journal of Mechanical Sciences, 2013, 68, 76-91.	3.6	38
121	A new nonlinear higher-order shear deformation theory with thickness variation for large-amplitude vibrations of laminated doubly curved shells. Journal of Sound and Vibration, 2013, 332, 4620-4640.	2.1	38
122	A comprehensive electro-magneto-elastic buckling and bending analyses of three-layered doubly curved nanoshell, based on nonlocal three-dimensional theory. Composite Structures, 2021, 257, 113100.	3.1	38
123	Nonlinear Vibrations of Circular Cylindrical Shells with Different Boundary Conditions. AIAA Journal, 2003, 41, 1119-1130.	1.5	37
124	Thermo-mechanical phase-shift determination in Coriolis mass-flowmeters with added masses. Journal of Fluids and Structures, 2012, 34, 1-13.	1.5	37
125	Non-linear dynamic instability of functionally graded plates in thermal environments. International Journal of Non-Linear Mechanics, 2013, 50, 109-126.	1.4	37
126	Microstructural and mechanical characterization of the layers of human descending thoracic aortas. Acta Biomaterialia, 2021, 134, 401-421.	4.1	37

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127	A METHOD TO IDENTIFY MODAL PARAMETERS AND GEAR ERRORS BY VIBRATIONS OF A SPUR GEAR PAIR. Journal of Sound and Vibration, 1998, 214, 339-357.	2.1	36
128	Nonlinear vibrations and damping of fractional viscoelastic rectangular plates. Nonlinear Dynamics, 2021, 103, 3581-3609.	2.7	36
129	Viscoelastic characterization of human descending thoracic aortas under cyclic load. Acta Biomaterialia, 2021, 130, 291-307.	4.1	36
130	Flexural Vibration of Cylindrical Shells Partially Coupled With External and Internal Fluids. Journal of Vibration and Acoustics, Transactions of the ASME, 1997, 119, 476-484.	1.0	35
131	EXPERIMENTAL STUDY ON LARGE-AMPLITUDE VIBRATIONS OF WATER-FILLED CIRCULAR CYLINDRICAL SHELLS. Journal of Fluids and Structures, 2002, 16, 213-227.	1.5	35
132	Static coefficient of friction between Ti-6Al-4V and PMMA for cemented hip and knee implants. Journal of Biomedical Materials Research Part B, 2002, 59, 191-200.	3.0	35
133	Geometrically nonlinear vibrations of rectangular plates carrying a concentrated mass. Journal of Sound and Vibration, 2010, 329, 4501-4514.	2.1	35
134	Experiments and simulations for large-amplitude vibrations of rectangular plates carrying concentrated masses. Journal of Sound and Vibration, 2012, 331, 155-166.	2.1	35
135	Large amplitude vibrations of imperfect porous-hyperelastic beams via a modified strain energy. Journal of Sound and Vibration, 2021, 513, 116416.	2.1	35
136	VIBRATIONS OF CIRCULAR CYLINDRICAL SHELLS WITH NONUNIFORM CONSTRAINTS, ELASTIC BED AND ADDED MASS. PART III: STEADY VISCOUS EFFECTS ON SHELLS CONVEYING FLUID. Journal of Fluids and Structures, 2002, 16, 795-809.	1.5	34
137	Non-linear global dynamics of an axially moving plate. International Journal of Non-Linear Mechanics, 2013, 57, 16-30.	1.4	34
138	Nonlinear vibrations of truncated conical shells considering multiple internal resonances. Nonlinear Dynamics, 2020, 100, 77-93.	2.7	34
139	Hydroelastic Vibration of Free-Edge Annular Plates. Journal of Vibration and Acoustics, Transactions of the ASME, 1999, 121, 26-32.	1.0	33
140	Nonlinear vibrations of a circular cylindrical shell with multiple internal resonances under multi-harmonic excitation. Nonlinear Dynamics, 2018, 93, 53-62.	2.7	33
141	Active vibration control of a thin rectangular plate in air or in contact with water in presence of tonal primary disturbance. Aerospace Science and Technology, 2008, 12, 54-61.	2.5	32
142	Nonlinear vibrations of clamped-free circular cylindrical shells. Journal of Sound and Vibration, 2011, 330, 5363-5381.	2.1	32
143	Experiments on dynamic behaviour of a Dacron aortic graft in a mock circulatory loop. Journal of Biomechanics, 2019, 86, 132-140.	0.9	32
144	NATURAL FREQUENCIES AND MODES OF FREE-EDGE CIRCULAR PLATES VIBRATING IN VACUUM OR IN CONTACT WITH LIQUID. Journal of Sound and Vibration, 1995, 188, 685-699.	2.1	31

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145	Displacement dependent pressure load for finite deflection of doubly-curved thick shells and plates. International Journal of Non-Linear Mechanics, 2015, 77, 265-273.	1.4	31
146	Nonlinear forced vibrations of laminated composite conical shells by using a refined shear deformation theory. Composite Structures, 2020, 249, 112522.	3.1	31
147	VIBRATIONS OF CIRCULAR TUBES AND SHELLS FILLED AND PARTIALLY IMMERSED IN DENSE FLUIDS. Journal of Sound and Vibration, 1999, 221, 567-585.	2.1	30
148	Effect of geometry on the stability of cylindrical clamped shells subjected to internal fluid flow. Computers and Structures, 2007, 85, 645-659.	2.4	30
149	VIBRATIONS OF FLUID-FILLED HERMETIC CANS. Journal of Fluids and Structures, 2000, 14, 235-255.	1.5	29
150	Modelling debonded stemâ€“cement interface for hip implants: effect of residual stresses. Clinical Biomechanics, 2002, 17, 41-48.	0.5	29
151	On the accuracy of the multiple scales method for non-linear vibrations of doubly curved shallow shells. International Journal of Non-Linear Mechanics, 2011, 46, 170-179.	1.4	29
152	Vibrations and stability of a periodically supported rectangular plate immersed in axial flow. Journal of Fluids and Structures, 2013, 39, 391-407.	1.5	29
153	Nonlinear vibrations and multiple resonances of fluid filled arbitrary laminated circular cylindrical shells. Composite Structures, 2014, 108, 951-962.	3.1	29
154	A comprehensive vibration analysis of rotating truncated sandwich conical microshells including porous core and GPL-reinforced face-sheets. Composite Structures, 2022, 279, 114761.	3.1	29
155	Design, development, and theoretical and experimental tests of a nonlinear energy harvester via piezoelectric arrays and motion limiters. International Journal of Non-Linear Mechanics, 2022, 142, 103974.	1.4	29
156	Non-linear vibrations and stability of a periodically supported rectangular plate in axial flow. International Journal of Non-Linear Mechanics, 2014, 66, 54-65.	1.4	28
157	Viscoelastic characterization of woven Dacron for aortic grafts by using direction-dependent quasi-linear viscoelasticity. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 82, 282-290.	1.5	28
158	Nonlinear vibration of fractional viscoelastic micro-beams. International Journal of Non-Linear Mechanics, 2021, 137, 103811.	1.4	28
159	Two-dimensional nonlinear dynamics of an axially moving viscoelastic beam with time-dependent axial speed. Chaos, Solitons and Fractals, 2013, 52, 8-29.	2.5	27
160	Fluidâ€“structure interaction for nonlinear response of shells conveying pulsatile flow. Journal of Sound and Vibration, 2016, 371, 252-276.	2.1	26
161	Reduced-order models for nonlinear vibrations, based on natural modes: the case of the circular cylindrical shell. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120474.	1.6	25
162	ANALYSIS OF VIBRATING CIRCULAR PLATES HAVING NON-UNIFORM CONSTRAINTS USING THE MODAL PROPERTIES OF FREE-EDGE PLATES: APPLICATION TO BOLTED PLATES. Journal of Sound and Vibration, 1997, 206, 23-38.	2.1	24

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163	60K gelatinase involved in mammary gland involution is regulated by Î²-oestradiol. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1403, 219-231.	1.9	24
164	Vibration analysis of a single microtubule surrounded by cytoplasm. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 192-198.	1.3	24
165	Nonlinear vibration control effects of membrane structures with in-plane PVDF actuators: A parametric study. International Journal of Non-Linear Mechanics, 2020, 122, 103466.	1.4	24
166	Free Vibrations of Cylindrical Shells with Non-Axisymmetric Mass Distribution on Elastic Bed. Meccanica, 1997, 32, 71-84.	1.2	23
167	Wave propagation in protein microtubules modeled as orthotropic elastic shells including transverse shear deformations. Journal of Biomechanics, 2011, 44, 1960-1966.	0.9	23
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