

Marco Amabili

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313
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10,604
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88
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384
ext. papers

12,299
ext. citations

3.9
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7.31
L-index

#	Paper	IF	Citations
313	Nonlinear Vibrations and Stability of Shells and Plates 2008 ,		374
312	Review of studies on geometrically nonlinear vibrations and dynamics of circular cylindrical shells and panels, with and without fluid-structure interaction. <i>Applied Mechanics Reviews</i> , 2003 , 56, 349-381	8.6	291
311	Nonlinear forced vibrations of a microbeam based on the strain gradient elasticity theory. <i>International Journal of Engineering Science</i> , 2013 , 63, 52-60	5.7	233
310	Nonlinear behaviour of electrically actuated MEMS resonators. <i>International Journal of Engineering Science</i> , 2013 , 71, 137-155	5.7	227
309	Nonlinear dynamics of a geometrically imperfect microbeam based on the modified couple stress theory. <i>International Journal of Engineering Science</i> , 2013 , 68, 11-23	5.7	221
308	Nonlinear dynamics of a microscale beam based on the modified couple stress theory. <i>Composites Part B: Engineering</i> , 2013 , 50, 318-324	10	213
307	Three-dimensional nonlinear size-dependent behaviour of Timoshenko microbeams. <i>International Journal of Engineering Science</i> , 2013 , 71, 1-14	5.7	200
306	In-plane and out-of-plane motion characteristics of microbeams with modal interactions. <i>Composites Part B: Engineering</i> , 2014 , 60, 423-439	10	171
305	Non-linear vibrations of shells: A literature review from 2003 to 2013. <i>International Journal of Non-Linear Mechanics</i> , 2014 , 58, 233-257	2.8	159
304	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID. PART I: STABILITY. <i>Journal of Sound and Vibration</i> , 1999 , 225, 655-699	3.9	153
303	A comparison of shell theories for large-amplitude vibrations of circular cylindrical shells: Lagrangian approach. <i>Journal of Sound and Vibration</i> , 2003 , 264, 1091-1125	3.9	143
302	A new non-linear higher-order shear deformation theory for large-amplitude vibrations of laminated doubly curved shells. <i>International Journal of Non-Linear Mechanics</i> , 2010 , 45, 409-418	2.8	137
301	FREE VIBRATIONS OF CIRCULAR PLATES COUPLED WITH LIQUIDS: REVISING THE LAMB PROBLEM. <i>Journal of Fluids and Structures</i> , 1996 , 10, 743-761	3.1	129
300	Nonlinear normal modes for damped geometrically nonlinear systems: Application to reduced-order modelling of harmonically forced structures. <i>Journal of Sound and Vibration</i> , 2006 , 298, 958-981	3.9	128
299	Nonlinear vibrations of rectangular plates with different boundary conditions: theory and experiments. <i>Computers and Structures</i> , 2004 , 82, 2587-2605	4.5	122
298	Nonlinear vibrations of functionally graded doubly curved shallow shells. <i>Journal of Sound and Vibration</i> , 2011 , 330, 1432-1454	3.9	117
297	DYNAMIC ANALYSIS OF SPUR GEAR PAIRS: STEADY-STATE RESPONSE AND STABILITY OF THE SDOF MODEL WITH TIME-VARYING MESHING DAMPING. <i>Mechanical Systems and Signal Processing</i> , 1997 , 11, 375-390	7.8	114

296	NONLINEAR VIBRATIONS OF SIMPLY SUPPORTED, CIRCULAR CYLINDRICAL SHELLS, COUPLED TO QUIESCENT FLUID. <i>Journal of Fluids and Structures</i> , 1998 , 12, 883-918	3.1	106
295	Theory and experiments for large-amplitude vibrations of empty and fluid-filled circular cylindrical shells with imperfections. <i>Journal of Sound and Vibration</i> , 2003 , 262, 921-975	3.9	105
294	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID, PART II: LARGE-AMPLITUDE VIBRATIONS WITHOUT FLOW. <i>Journal of Sound and Vibration</i> , 1999 , 228, 1103-1124	3.9	103
293	Hydroelastic vibration of circular plates immersed in a liquid-filled container with free surface. <i>Journal of Sound and Vibration</i> , 2013 , 332, 3064-3085	3.9	101
292	Non-linear vibrations of doubly curved shallow shells. <i>International Journal of Non-Linear Mechanics</i> , 2005 , 40, 683-710	2.8	95
291	Nonlinear damping in large-amplitude vibrations: modelling and experiments. <i>Nonlinear Dynamics</i> , 2018 , 93, 5-18	5	92
290	Nonlinear vibrations of FGM rectangular plates in thermal environments. <i>Nonlinear Dynamics</i> , 2011 , 66, 251-270	5	92
289	FREE VIBRATIONS OF ANNULAR PLATES COUPLED WITH FLUIDS. <i>Journal of Sound and Vibration</i> , 1996 , 191, 825-846	3.9	90
288	Theory and experiments for large-amplitude vibrations of rectangular plates with geometric imperfections. <i>Journal of Sound and Vibration</i> , 2006 , 291, 539-565	3.9	88
287	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID. PART III: TRUNCATION EFFECT WITHOUT FLOW AND EXPERIMENTS. <i>Journal of Sound and Vibration</i> , 2000 , 237, 617-640	3.9	88
286	FREE VIBRATION OF PARTIALLY FILLED, HORIZONTAL CYLINDRICAL SHELLS. <i>Journal of Sound and Vibration</i> , 1996 , 191, 757-780	3.9	85
285	Nonlinear damping in nonlinear vibrations of rectangular plates: Derivation from viscoelasticity and experimental validation. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 118, 275-292	5	84
284	EFFECT OF FINITE FLUID DEPTH ON THE HYDROELASTIC VIBRATIONS OF CIRCULAR AND ANNULAR PLATES. <i>Journal of Sound and Vibration</i> , 1996 , 193, 909-925	3.9	83
283	VIBRATIONS OF PARTIALLY FILLED CYLINDRICAL TANKS WITH RING-STIFFENERS AND FLEXIBLE BOTTOM. <i>Journal of Sound and Vibration</i> , 1998 , 213, 259-299	3.9	81
282	Exact solution for linear buckling of rectangular Mindlin plates. <i>Journal of Sound and Vibration</i> , 2008 , 315, 318-342	3.9	80
281	Nonlinear dynamics of cantilevered extensible pipes conveying fluid. <i>Journal of Sound and Vibration</i> , 2013 , 332, 6405-6418	3.9	79
280	Nonlinear Supersonic Flutter of Circular Cylindrical Shells. <i>AIAA Journal</i> , 2001 , 39, 564-573	2.1	77
279	Coupled global dynamics of an axially moving viscoelastic beam. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 51, 54-74	2.8	76

278	Effect of the geometry on the non-linear vibration of circular cylindrical shells. <i>International Journal of Non-Linear Mechanics</i> , 2002 , 37, 1181-1198	2.8	74
277	Coupled longitudinal-transverse behaviour of a geometrically imperfect microbeam. <i>Composites Part B: Engineering</i> , 2014 , 60, 371-377	10	72
276	Stability and vibration of empty and fluid-filled circular cylindrical shells under static and periodic axial loads. <i>International Journal of Solids and Structures</i> , 2003 , 40, 3229-3251	3.1	72
275	NON-LINEAR DYNAMICS AND STABILITY OF CIRCULAR CYLINDRICAL SHELLS CONTAINING FLOWING FLUID. PART IV: LARGE-AMPLITUDE VIBRATIONS WITH FLOW. <i>Journal of Sound and Vibration</i> , 2000 , 237, 641-666	3.9	72
274	Coupled longitudinal-transverse dynamics of an axially moving beam with an internal resonance. <i>Mechanism and Machine Theory</i> , 2012 , 52, 18-34	4	71
273	Nonlinear vibrations and stability of an axially moving beam with an intermediate spring support: two-dimensional analysis. <i>Nonlinear Dynamics</i> , 2012 , 70, 335-354	5	71
272	Nonlinear dynamic characterization of two-dimensional materials. <i>Nature Communications</i> , 2017 , 8, 12531	7.4	70
271	Multimode Approach to Nonlinear Supersonic Flutter of Imperfect Circular Cylindrical Shells. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2002 , 69, 117-129	2.7	70
270	EIGENVALUE PROBLEMS FOR VIBRATING STRUCTURES COUPLED WITH QUIESCENT FLUIDS WITH FREE SURFACE. <i>Journal of Sound and Vibration</i> , 2000 , 231, 79-97	3.9	70
269	Coupled nonlinear size-dependent behaviour of microbeams. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 112, 329-338	2.6	69
268	Nonlinear Vibrations and Multiple Resonances of Fluid-Filled, Circular Shells, Part 1: Equations of Motion and Numerical Results. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2000 , 122, 346-354	1.6	69
267	Reduced-order models for nonlinear vibrations of cylindrical shells via the proper orthogonal decomposition method. <i>Journal of Fluids and Structures</i> , 2003 , 18, 227-250	3.1	68
266	Nonlinear dynamics of axially moving plates. <i>Journal of Sound and Vibration</i> , 2013 , 332, 391-406	3.9	67
265	VIBRATIONS OF CIRCULAR CYLINDRICAL SHELLS WITH NONUNIFORM CONSTRAINTS, ELASTIC BED AND ADDED MASS; PART I: EMPTY AND FLUID-FILLED SHELLS. <i>Journal of Fluids and Structures</i> , 2000 , 14, 669-690	3.1	66
264	Identification of the viscoelastic response and nonlinear damping of a rubber plate in nonlinear vibration regime. <i>Mechanical Systems and Signal Processing</i> , 2018 , 111, 376-398	7.8	65
263	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. <i>International Journal of Non-Linear Mechanics</i> , 2015 , 69, 109-128	2.8	64
262	Nonlinear dynamics of axially moving viscoelastic beams over the buckled state. <i>Computers and Structures</i> , 2012 , 112-113, 406-421	4.5	64
261	Thermo-mechanical nonlinear dynamics of a buckled axially moving beam. <i>Archive of Applied Mechanics</i> , 2013 , 83, 25-42	2.2	63

260	Thermal effects on nonlinear vibrations of functionally graded doubly curved shells using higher order shear deformation theory. <i>Composite Structures</i> , 2011 , 93, 2541-2553	5.3	63
259	VIBRATIONS OF CIRCULAR CYLINDRICAL SHELLS WITH NONUNIFORM CONSTRAINTS, ELASTIC BED AND ADDED MASS. PART II: SHELLS CONTAINING OR IMMERSSED IN AXIAL FLOW. <i>Journal of Fluids and Structures</i> , 2002 , 16, 31-51	3.1	63
258	Nonlinear resonant behavior of microbeams over the buckled state. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 113, 297-307	2.6	62
257	Steady-state transverse response of an axially moving beam with time-dependent axial speed. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 49, 40-49	2.8	61
256	VIBRATION OF CIRCULAR PLATES ON A FREE FLUID SURFACE: EFFECT OF SURFACE WAVES. <i>Journal of Sound and Vibration</i> , 1999 , 226, 407-424	3.9	60
255	VIBRATIONS OF CIRCULAR PLATES RESTING ON A SLOSHING LIQUID: SOLUTION OF THE FULLY COUPLED PROBLEM. <i>Journal of Sound and Vibration</i> , 2001 , 245, 261-283	3.9	59
254	Active vibration control of a sandwich plate by non-collocated positive position feedback. <i>Journal of Sound and Vibration</i> , 2015 , 342, 44-56	3.9	57
253	Nonlinear vibrations and stability of an axially moving Timoshenko beam with an intermediate spring support. <i>Mechanism and Machine Theory</i> , 2013 , 67, 1-16	4	57
252	Chaotic vibrations of circular cylindrical shells: Galerkin versus reduced-order models via the proper orthogonal decomposition method. <i>Journal of Sound and Vibration</i> , 2006 , 290, 736-762	3.9	56
251	Nonlinear vibrations of viscoelastic rectangular plates. <i>Journal of Sound and Vibration</i> , 2016 , 362, 142-156	3.9	55
250	Shear deformable versus classical theories for nonlinear vibrations of rectangular isotropic and laminated composite plates. <i>Journal of Sound and Vibration</i> , 2009 , 320, 649-667	3.9	55
249	Nonlinear vibrations of laminated circular cylindrical shells: Comparison of different shell theories. <i>Composite Structures</i> , 2011 , 94, 207-220	5.3	54
248	Reduced-order models for nonlinear vibrations of fluid-filled circular cylindrical shells: Comparison of POD and asymptotic nonlinear normal modes methods. <i>Journal of Fluids and Structures</i> , 2007 , 23, 885-903	3.1	54
247	Dynamic instability and chaos of empty and fluid-filled circular cylindrical shells under periodic axial loads. <i>Journal of Sound and Vibration</i> , 2006 , 293, 227-252	3.9	54
246	Nonlinear dynamics of an axially moving Timoshenko beam with an internal resonance. <i>Nonlinear Dynamics</i> , 2013 , 73, 39-52	5	52
245	Thermal effects on geometrically nonlinear vibrations of rectangular plates with fixed edges. <i>Journal of Sound and Vibration</i> , 2009 , 321, 936-954	3.9	52
244	Dynamics of a pipe conveying fluid flexibly restrained at the ends. <i>Journal of Fluids and Structures</i> , 2014 , 49, 360-385	3.1	51
243	Effect of geometric imperfections on non-linear stability of circular cylindrical shells conveying fluid. <i>International Journal of Non-Linear Mechanics</i> , 2009 , 44, 276-289	2.8	51

242	Physically and geometrically non-linear vibrations of thin rectangular plates. <i>International Journal of Non-Linear Mechanics</i> , 2014 , 58, 30-40	2.8	50
241	Damping for large-amplitude vibrations of plates and curved panels, Part 1: Modeling and experiments. <i>International Journal of Non-Linear Mechanics</i> , 2016 , 85, 23-40	2.8	50
240	Damping for large-amplitude vibrations of plates and curved panels, part 2: Identification and comparisons. <i>International Journal of Non-Linear Mechanics</i> , 2016 , 85, 226-240	2.8	49
239	Non-linear dynamics and stability of circular cylindrical shells conveying flowing fluid. <i>Computers and Structures</i> , 2002 , 80, 899-906	4.5	49
238	Internal resonances in non-linear vibrations of a laminated circular cylindrical shell. <i>Nonlinear Dynamics</i> , 2012 , 69, 755-770	5	48
237	SHELLPLATE INTERACTION IN THE FREE VIBRATIONS OF CIRCULAR CYLINDRICAL TANKS PARTIALLY FILLED WITH A LIQUID: THE ARTIFICIAL SPRING METHOD. <i>Journal of Sound and Vibration</i> , 1997 , 199, 431-452	3.9	48
236	A new third-order shear deformation theory with non-linearities in shear for static and dynamic analysis of laminated doubly curved shells. <i>Composite Structures</i> , 2015 , 128, 260-273	5.3	46
235	The nonlinear, third-order thickness and shear deformation theory for statics and dynamics of laminated composite shells. <i>Composite Structures</i> , 2020 , 244, 112265	5.3	46
234	Nonlinear vibrations of laminated and sandwich rectangular plates with free edges. Part 1: Theory and numerical simulations. <i>Composite Structures</i> , 2013 , 105, 422-436	5.3	46
233	Nonlinear Mechanics of Shells and Plates in Composite, Soft and Biological Materials 2018 ,		46
232	Derivation of nonlinear damping from viscoelasticity in case of nonlinear vibrations. <i>Nonlinear Dynamics</i> , 2019 , 97, 1785-1797	5	45
231	Nonlinear vibrations of thin hyperelastic plates. <i>Journal of Sound and Vibration</i> , 2014 , 333, 4668-4681	3.9	45
230	Nonlinear vibrations of circular cylindrical panels. <i>Journal of Sound and Vibration</i> , 2005 , 281, 509-535	3.9	45
229	RITZ METHOD AND SUBSTRUCTURING IN THE STUDY OF VIBRATION WITH STRONG FLUIDSTRUCTURE INTERACTION. <i>Journal of Fluids and Structures</i> , 1997 , 11, 507-523	3.1	44
228	VIBRATIONS OF BASE PLATES IN ANNULAR CYLINDRICAL TANKS: THEORY AND EXPERIMENTS. <i>Journal of Sound and Vibration</i> , 1998 , 210, 329-350	3.9	44
227	Transition to chaotic vibrations for harmonically forced perfect and imperfect circular plates. <i>International Journal of Non-Linear Mechanics</i> , 2011 , 46, 234-246	2.8	43
226	A TECHNIQUE FOR THE SYSTEMATIC CHOICE OF ADMISSIBLE FUNCTIONS IN THE RAYLEIGHRITZ METHOD. <i>Journal of Sound and Vibration</i> , 1999 , 224, 519-539	3.9	43
225	Polynomial versus trigonometric expansions for nonlinear vibrations of circular cylindrical shells with different boundary conditions. <i>Journal of Sound and Vibration</i> , 2010 , 329, 1435-1449	3.9	42

224	Estimation of tensile force in tie-rods using a frequency-based identification method. <i>Journal of Sound and Vibration</i> , 2010 , 329, 2057-2067	3.9	42
223	Breathing Vibrations of a Horizontal Circular Cylindrical Tank Shell, Partially Filled With Liquid. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1995 , 117, 187-191	1.6	42
222	Non-linear static bending and forced vibrations of rectangular plates retaining non-linearities in rotations and thickness deformation. <i>International Journal of Non-Linear Mechanics</i> , 2014 , 67, 394-404	2.8	41
221	Nonlinear stability of cylindrical shells subjected to axial flow: Theory and experiments. <i>Journal of Sound and Vibration</i> , 2008 , 309, 637-676	3.9	41
220	Nonlinear vibrations of laminated and sandwich rectangular plates with free edges. Part 2: Experiments & comparisons. <i>Composite Structures</i> , 2013 , 105, 437-445	5.3	40
219	Active vibration control of a composite sandwich plate. <i>Composite Structures</i> , 2015 , 128, 100-114	5.3	37
218	A non-linear higher-order thickness stretching and shear deformation theory for large-amplitude vibrations of laminated doubly curved shells. <i>International Journal of Non-Linear Mechanics</i> , 2014 , 58, 57-75	2.8	36
217	Theory and experiments for nonlinear vibrations of imperfect rectangular plates with free edges. <i>Journal of Sound and Vibration</i> , 2013 , 332, 3564-3588	3.9	36
216	Travelling wave and non-stationary response in nonlinear vibrations of water-filled circular cylindrical shells: Experiments and simulations. <i>Journal of Sound and Vibration</i> , 2016 , 381, 220-245	3.9	35
215	Effect of thickness deformation on large-amplitude vibrations of functionally graded rectangular plates. <i>Composite Structures</i> , 2014 , 113, 89-107	5.3	35
214	Coupled vibrations of a partially fluid-filled cylindrical container with an internal body including the effect of free surface waves. <i>Journal of Fluids and Structures</i> , 2011 , 27, 1049-1067	3.1	35
213	A new twelve-parameter spectral/hp shell finite element for large deformation analysis of composite shells. <i>Composite Structures</i> , 2016 , 151, 183-196	5.3	34
212	Nonlinear vibrations of angle-ply laminated circular cylindrical shells: Skewed modes. <i>Composite Structures</i> , 2012 , 94, 3697-3709	5.3	34
211	Nonlinear vibrations of shallow shells with complex boundary: R-functions method and experiments. <i>Journal of Sound and Vibration</i> , 2007 , 306, 580-600	3.9	34
210	Theory and experiments for large-amplitude vibrations of circular cylindrical panels with geometric imperfections. <i>Journal of Sound and Vibration</i> , 2006 , 298, 43-72	3.9	34
209	Bulging Modes of Circular Bottom Plates in Rigid Cylindrical Containers Filled with a Liquid. <i>Shock and Vibration</i> , 1997 , 4, 51-68	1.1	33
208	Reduced-order models for large-amplitude vibrations of shells including in-plane inertia. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 2030-2045	5.7	33
207	Static coefficient of friction between Ti-6Al-4V and PMMA for cemented hip and knee implants. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 59, 191-200		33

206	Nonlinear higher-order shell theory for incompressible biological hyperelastic materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019 , 346, 841-861	5-7	33
205	Nonlinear vibrations and stability of laminated shells using a modified first-order shear deformation theory. <i>European Journal of Mechanics, A/Solids</i> , 2018 , 68, 75-87	3-7	33
204	Nonlinear vibrations of fluid-filled clamped circular cylindrical shells. <i>Journal of Fluids and Structures</i> , 2005 , 21, 579-595	3-1	32
203	VIBRATIONS OF CIRCULAR CYLINDRICAL SHELLS WITH NONUNIFORM CONSTRAINTS, ELASTIC BED AND ADDED MASS. PART III: STEADY VISCOUS EFFECTS ON SHELLS CONVEYING FLUID. <i>Journal of Fluids and Structures</i> , 2002 , 16, 795-809	3-1	31
202	Nonlinear Stability of Circular Cylindrical Shells in Annular and Unbounded Axial Flow. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2001 , 68, 827-834	2-7	31
201	Layer-specific hyperelastic and viscoelastic characterization of human descending thoracic aortas. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 99, 27-46	4-1	30
200	Post-buckling bifurcations and stability of high-speed axially moving beams. <i>International Journal of Mechanical Sciences</i> , 2013 , 68, 76-91	5-5	30
199	Non-linear dynamic instability of functionally graded plates in thermal environments. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 50, 109-126	2-8	30
198	A new nonlinear higher-order shear deformation theory with thickness variation for large-amplitude vibrations of laminated doubly curved shells. <i>Journal of Sound and Vibration</i> , 2013 , 332, 4620-4640	3-9	30
197	Nonlinear Vibrations and Multiple Resonances of Fluid-Filled, Circular Shells, Part 2: Perturbation Analysis. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2000 , 122, 355-364	1-6	30
196	Hydroelastic Vibration of Free-Edge Annular Plates. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1999 , 121, 26-32	1-6	30
195	A Paper-Based Piezoelectric Accelerometer. <i>Micromachines</i> , 2018 , 9,	3-3	29
194	EXPERIMENTAL STUDY ON LARGE-AMPLITUDE VIBRATIONS OF WATER-FILLED CIRCULAR CYLINDRICAL SHELLS. <i>Journal of Fluids and Structures</i> , 2002 , 16, 213-227	3-1	29
193	On the accuracy of the multiple scales method for non-linear vibrations of doubly curved shallow shells. <i>International Journal of Non-Linear Mechanics</i> , 2011 , 46, 170-179	2-8	28
192	Flexural Vibration of Cylindrical Shells Partially Coupled With External and Internal Fluids. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1997 , 119, 476-484	1-6	28
191	A METHOD TO IDENTIFY MODAL PARAMETERS AND GEAR ERRORS BY VIBRATIONS OF A SPUR GEAR PAIR. <i>Journal of Sound and Vibration</i> , 1998 , 214, 339-357	3-9	28
190	Nonlinear Vibrations of Circular Cylindrical Shells with Different Boundary Conditions. <i>AIAA Journal</i> , 2003 , 41, 1119-1130	2-1	28
189	VIBRATIONS OF CIRCULAR TUBES AND SHELLS FILLED AND PARTIALLY IMMERSSED IN DENSE FLUIDS. <i>Journal of Sound and Vibration</i> , 1999 , 221, 567-585	3-9	28

188	Static and Dynamic Behavior of Circular Cylindrical Shell Made of Hyperelastic Arterial Material. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016 , 83,	2.7	28
187	NONLINEAR VIBRATIONS OF RECTANGULAR LAMINATED COMPOSITE PLATES WITH DIFFERENT BOUNDARY CONDITIONS. <i>International Journal of Structural Stability and Dynamics</i> , 2011 , 11, 673-695	1.9	27
186	Parametric instability of a circular cylindrical shell with geometric imperfections. <i>Computers and Structures</i> , 2004 , 82, 2635-2645	4.5	27
185	NATURAL FREQUENCIES AND MODES OF FREE-EDGE CIRCULAR PLATES VIBRATING IN VACUUM OR IN CONTACT WITH LIQUID. <i>Journal of Sound and Vibration</i> , 1995 , 188, 685-699	3.9	27
184	Anisotropic fractional viscoelastic constitutive models for human descending thoracic aortas. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019 , 99, 186-197	4.1	26
183	Thermo-mechanical phase-shift determination in Coriolis mass-flowmeters with added masses. <i>Journal of Fluids and Structures</i> , 2012 , 34, 1-13	3.1	26
182	Modelling debonded stem-cement interface for hip implants: effect of residual stresses. <i>Clinical Biomechanics</i> , 2002 , 17, 41-8	2.2	26
181	Experiments and simulations for large-amplitude vibrations of rectangular plates carrying concentrated masses. <i>Journal of Sound and Vibration</i> , 2012 , 331, 155-166	3.9	25
180	Geometrically nonlinear vibrations of rectangular plates carrying a concentrated mass. <i>Journal of Sound and Vibration</i> , 2010 , 329, 4501-4514	3.9	25
179	Effect of geometry on the stability of cylindrical clamped shells subjected to internal fluid flow. <i>Computers and Structures</i> , 2007 , 85, 645-659	4.5	25
178	VIBRATIONS OF FLUID-FILLED HERMETIC CANS. <i>Journal of Fluids and Structures</i> , 2000 , 14, 235-255	3.1	25
177	Displacement dependent pressure load for finite deflection of doubly-curved thick shells and plates. <i>International Journal of Non-Linear Mechanics</i> , 2015 , 77, 265-273	2.8	23
176	Active vibration control of a thin rectangular plate in air or in contact with water in presence of tonal primary disturbance. <i>Aerospace Science and Technology</i> , 2008 , 12, 54-61	4.9	23
175	Nonlinear vibrations of a circular cylindrical shell with multiple internal resonances under multi-harmonic excitation. <i>Nonlinear Dynamics</i> , 2018 , 93, 53-62	5	23
174	Nonlinear vibrations and multiple resonances of fluid filled arbitrary laminated circular cylindrical shells. <i>Composite Structures</i> , 2014 , 108, 951-962	5.3	22
173	Non-linear global dynamics of an axially moving plate. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 57, 16-30	2.8	22
172	Nonlinear vibrations of truncated conical shells considering multiple internal resonances. <i>Nonlinear Dynamics</i> , 2020 , 100, 77-93	5	21
171	Subcritical parametric response of an axially accelerating beam. <i>Thin-Walled Structures</i> , 2012 , 60, 185-193.	3.7	21

170	Reduced-order models for nonlinear vibrations, based on natural modes: the case of the circular cylindrical shell. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120474	3	21
169	Nonlinear vibrations of clamped-free circular cylindrical shells. <i>Journal of Sound and Vibration</i> , 2011 , 330, 5363-5381	3.9	21
168	Wave propagation in protein microtubules modeled as orthotropic elastic shells including transverse shear deformations. <i>Journal of Biomechanics</i> , 2011 , 44, 1960-6	2.9	21
167	Vibration analysis of a single microtubule surrounded by cytoplasm. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 43, 192-198	3	21
166	60K gelatinase involved in mammary gland involution is regulated by beta-oestradiol. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998 , 1403, 219-31	4.9	21
165	Experimental and numerical study on vibrations and static deflection of a thin hyperelastic plate. <i>Journal of Sound and Vibration</i> , 2016 , 385, 81-92	3.9	21
164	Experiments on dynamic behaviour of a Dacron aortic graft in a mock circulatory loop. <i>Journal of Biomechanics</i> , 2019 , 86, 132-140	2.9	20
163	ANALYSIS OF VIBRATING CIRCULAR PLATES HAVING NON-UNIFORM CONSTRAINTS USING THE MODAL PROPERTIES OF FREE-EDGE PLATES: APPLICATION TO BOLTED PLATES. <i>Journal of Sound and Vibration</i> , 1997 , 206, 23-38	3.9	20
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