Marco Amabili

List of Publications by Year in Descending Order

313 papers	10,604 citations	59 h-index	88 g-index
384 ext. papers	12,299 ext. citations	3.9 avg, IF	7.31 L-index

#	Paper	IF	Citations
313	Role of smooth muscle activation in the static and dynamic mechanical characterization of human aortas.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	4
312	Coupled dynamics of axially functionally graded graphene nanoplatelets-reinforced viscoelastic shear deformable beams with material and geometric imperfections. *Engineering Analysis With Boundary Elements*, **2022**, 136, 4-36	2.6	2
311	Experimental parametric study on dynamic divergence instability and chaos of circular cylindrical shells conveying airflow. *Mechanical Systems and Signal Processing*, **2022**, 169, 108755	7.8	0
310	A review of size-dependent continuum mechanics models for micro- and nano-structures. *Thin-Walled Structures*, **2022**, 170, 108562	4.7	12
309	Dynamic divergence of circular cylindrical shells conveying airflow. *Mechanical Systems and Signal Processing*, **2022**, 166, 108496	7.8	1
308	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	2.8	4
307	Viscoelasticity of human descending thoracic aorta in a mock circulatory loop.. *Journal of the Mechanical Behavior of Biomedical Materials*, **2022**, 130, 105205	4.1	0
306	Nonlinear vibrations and viscoelasticity of a self-healing composite cantilever beam: Theory and experiments. *Composite Structures*, **2022**, 115741	5.3	0
305	On the combined Shooting-Pseudo-Arclength method for finding frequency response of nonlinear fractional-order differential equations. *Journal of Sound and Vibration*, **2021**, 116521	3.9	2
304	A review on the statics and dynamics of electrically actuated nano and micro structures. *International Journal of Non-Linear Mechanics*, **2021**, 129, 103658	2.8	14
303	Nonlinear vibrations of beams with bilinear hysteresis at supports: interpretation of experimental results. *Journal of Sound and Vibration*, **2021**, 499, 115998	3.9	4
302	Identification by means of a genetic algorithm of nonlinear damping and stiffness of continuous structures subjected to large-amplitude vibrations. Part I: single-degree-of-freedom responses. *Mechanical Systems and Signal Processing*, **2021**, 153, 107470	7.8	5
301	Dynamic Stability of Orthotropic Viscoelastic Rectangular Plate of an Arbitrarily Varying Thickness. *Applied Sciences (Switzerland)*, **2021**, 11, 6029	2.6	0
300	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	5.3	15
299	Nonlinear damped vibrations of three-phase CNT-FRC circular cylindrical shell. *Composite Structures*, **2021**, 255, 112939	5.3	11
298	Nonlinear vibrations and damping of fractional viscoelastic rectangular plates. *Nonlinear Dynamics*, **2021**, 103, 3581-3609	5	6
297	Microstructural and mechanical characterization of the layers of human descending thoracic aortas. *Acta Biomaterialia*, **2021**, 134, 401-421	10.8	11

296	Viscoelastic characterization of human descending thoracic aortas under cyclic load. *Acta Biomaterialia*, **2021**, 130, 291-307	10.8	7
295	A comprehensive vibration analysis of rotating truncated sandwich conical microshells including porous core and GPL-reinforced face-sheets. *Composite Structures*, **2021**, 279, 114761	5.3	7
294	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	3.9	10
293	Large amplitude vibrations of imperfect porous-hyperelastic beams via a modified strain energy. *Journal of Sound and Vibration*, **2021**, 513, 116416	3.9	7
292	Nonlinear analysis of cylindrical sandwich shells with porous core and CNT reinforced face-sheets by higher-order thickness and shear deformation theory. *European Journal of Mechanics, A/Solids*, **2021**, 90, 104366	3.7	5
291	Nonlinear mechanics of sandwich plates: Layerwise third-order thickness and shear deformation theory. *Composite Structures*, **2021**, 278, 114693	5.3	5
290	Identification by means of a genetic algorithm of nonlinear damping and stiffness of continuous structures subjected to large-amplitude vibrations. Part II: one-to-one internal resonances. *Mechanical Systems and Signal Processing*, **2021**, 161, 107972	7.8	1
289	Nonlinear vibration of fractional viscoelastic micro-beams. *International Journal of Non-Linear Mechanics*, **2021**, 137, 103811	2.8	5
288	Nonlinear vibrations of a 3⫪B reduced scale PWR fuel assembly supported by spacer grids. *Nuclear Engineering and Design*, **2020**, 364, 110674	1.8	9
287	Nonlinear forced vibrations of laminated composite conical shells by using a refined shear deformation theory. *Composite Structures*, **2020**, 249, 112522	5.3	16
286	Aeroelastic analysis of rectangular plates coupled to sloshing fluid. *Acta Mechanica*, **2020**, 231, 3183-3198	2.1	5
285	A novel mathematical method to analyze the free vibration of eccentric annular plates. *Journal of Sound and Vibration*, **2020**, 484, 115513	3.9	5
284	Identification of viscoelastic properties of Dacron aortic grafts subjected to physiological pulsatile flow. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 110, 103804	4.1	6
283	Liquid Sloshing in a Rigid Cylindrical Tank Equipped with a Rigid Annular Baffle and on Soil Foundation. *International Journal of Structural Stability and Dynamics*, **2020**, 20, 2050030	1.9	6
282	Nonlinear vibration control effects of membrane structures with in-plane PVDF actuators: A parametric study. *International Journal of Non-Linear Mechanics*, **2020**, 122, 103466	2.8	9
281	Nonlinear vibrations of a nuclear fuel rod supported by spacer grids. *Nuclear Engineering and Design*, **2020**, 361, 110503	1.8	9
280	Nonlinear vibrations of truncated conical shells considering multiple internal resonances. *Nonlinear Dynamics*, **2020**, 100, 77-93	5	21
279	The nonlinear, third-order thickness and shear deformation theory for statics and dynamics of laminated composite shells. *Composite Structures*, **2020**, 244, 112265	5.3	46

278	Nonlinear Dynamics of Human Aortas for Material Characterization. *Physical Review X*, **2020**, 10,	9.1	5
277	Nonlinear vibrations of a fluid-filled, soft circular shell: experiments and system identification. *Nonlinear Dynamics*, **2020**, 102, 1409-1418	5	3
276	A mathematical approach to study fluid-coupled vibration of eccentric annular plates. *Journal of Fluids and Structures*, **2020**, 98, 103129	3.1	5
275	Porosity, mass and geometric imperfection sensitivity in coupled vibration characteristics of CNT-strengthened beams with different boundary conditions. *Engineering With Computers*, **2020**, 1	4.5	12
274	Blast loads and nonlinear vibrations of laminated glass plates in an enhanced shear deformation theory. *Composite Structures*, **2020**, 252, 112720	5.3	11
273	Biomechanical characterization of a chronic type a dissected human aorta. *Journal of Biomechanics*, **2020**, 110, 109978	2.9	10
272	Effect of fiber exclusion in uniaxial tensile tests of soft biological tissues. *Journal of the Mechanical Behavior of Biomedical Materials*, **2020**, 112, 104079	4.1	6
271	A continuum eight-parameter shell finite element for large deformation analysis. *Mechanics of Advanced Materials and Structures*, **2020**, 27, 551-560	1.8	8
270	Non-linear vibration response of functionally graded circular cylindrical shells subjected to thermo-mechanical loading. *Composite Structures*, **2019**, 229, 111430	5.3	11
269	Experiments on dynamic behaviour of a Dacron aortic graft in a mock circulatory loop. *Journal of Biomechanics*, **2019**, 86, 132-140	2.9	20
268	Derivation of nonlinear damping from viscoelasticity in case of nonlinear vibrations. *Nonlinear Dynamics*, **2019**, 97, 1785-1797	5	45
267	Layer-specific hyperelastic and viscoelastic characterization of human descending thoracic aortas. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 99, 27-46	4.1	30
266	Active vibration control of a polyvinylidene fluoride laminated membrane plate mirror. *JVC/Journal of Vibration and Control*, **2019**, 25, 2611-2626	2	7
265	Anisotropic fractional viscoelastic constitutive models for human descending thoracic aortas. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 99, 186-197	4.1	26
264	Nonlinear higher-order shell theory for incompressible biological hyperelastic materials. *Computer Methods in Applied Mechanics and Engineering*, **2019**, 346, 841-861	5.7	33
263	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	4.1	17
262	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	7.8	65
261	Nonlinear Dynamics of Dacron Aortic Prostheses Conveying Pulsatile Flow. *Journal of Biomechanical Engineering*, **2018**, 140,	2.1	10

260	Nonlinear damping in large-amplitude vibrations: modelling and experiments. *Nonlinear Dynamics*, **2018**, 93, 5-18	5	92
259	Nonlinear model of human descending thoracic aortic segments with residual stresses. *Biomechanics and Modeling in Mechanobiology*, **2018**, 17, 1839-1855	3.8	9
258	A Paper-Based Piezoelectric Accelerometer. *Micromachines*, **2018**, 9,	3.3	29
257	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	5	84
256	Nonlinear Mechanics of Shells and Plates in Composite, Soft and Biological Materials **2018**,		46
255	Nonlinear vibrations of a circular cylindrical shell with multiple internal resonances under multi-harmonic excitation. *Nonlinear Dynamics*, **2018**, 93, 53-62	5	23
254	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	3.7	33
253	Non-linear vibrations of nuclear fuel rods. *Nuclear Engineering and Design*, **2018**, 338, 269-283	1.8	16
252	Nonlinear dynamics of shells conveying pulsatile flow with pulse-wave propagation. Theory and numerical results for a single harmonic pulsation. *Journal of Sound and Vibration*, **2017**, 396, 217-245	3.9	12
251	Experimental and theoretical study on large amplitude vibrations of clamped rubber plates. *International Journal of Non-Linear Mechanics*, **2017**, 94, 36-45	2.8	17
250	Nonlinear dynamic characterization of two-dimensional materials. *Nature Communications*, **2017**, 8, 1253	17.4	70
249	Identification of material properties of composite sandwich panels under geometric uncertainty. *Composite Structures*, **2017**, 179, 695-704	5.3	10
248	Designing Probes for Immunodiagnostics: Structural Insights into an Epitope Targeting Burkholderia Infections. *ACS Infectious Diseases*, **2017**, 3, 736-743	5.5	4
247	Non linear vibrations of imperfect fluid-filled viscoelastic cylindrical shells. *Procedia Engineering*, **2017**, 199, 570-576		8
246	Identification of Non-Linear Parameters of a Nuclear Fuel Rod **2017**,		1
245	Nonlinear vibrations of viscoelastic rectangular plates. *Journal of Sound and Vibration*, **2016**, 362, 142-156	3.9	55
244	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	3.9	35
243	Identification of Non-Linear Damping of Nuclear Reactor Components in Case of One-to-One Internal Resonance **2016**,		6

242	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	2.8	49
241	Fluid‐Structure interaction for nonlinear response of shells conveying pulsatile flow. *Journal of Sound and Vibration*, **2016**, 371, 252-276	3.9	19
240	A new twelve-parameter spectral/hp shell finite element for large deformation analysis of composite shells. *Composite Structures*, **2016**, 151, 183-196	5.3	34
239	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	2.8	50
238	Static and Dynamic Behavior of Circular Cylindrical Shell Made of Hyperelastic Arterial Material. *Journal of Applied Mechanics, Transactions ASME*, **2016**, 83,	2.7	28
237	Axisymmetric deformations of circular rings made of linear and Neo-Hookean materials under internal and external pressure: A benchmark for finite element codes. *International Journal of Non-Linear Mechanics*, **2016**, 84, 39-45	2.8	10
236	Experimental and numerical study on vibrations and static deflection of a thin hyperelastic plate. *Journal of Sound and Vibration*, **2016**, 385, 81-92	3.9	21
235	Nonlinear vibrations of plates in axial pulsating flow. *Journal of Fluids and Structures*, **2015**, 56, 33-55	3.1	10
234	An experimental study of dynamics of towed flexible cylinders. *Journal of Sound and Vibration*, **2015**, 348, 149-166	3.9	7
233	Active vibration control of a composite sandwich plate. *Composite Structures*, **2015**, 128, 100-114	5.3	37
232	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	5.3	46
231	Displacement dependent pressure load for finite deflection of doubly-curved thick shells and plates. *International Journal of Non-Linear Mechanics*, **2015**, 77, 265-273	2.8	23
230	Global dynamics of an axially moving buckled beam. *JVC/Journal of Vibration and Control*, **2015**, 21, 195-208		9
229	Nonlinear stability and bifurcations of an axially moving beam in thermal environment. *JVC/Journal of Vibration and Control*, **2015**, 21, 2981-2994	2	16
228	Non-Linear Damping Identification in Nuclear Systems Under External Excitation **2015**,		3
227	Active vibration control of a sandwich plate by non-collocated positive position feedback. *Journal of Sound and Vibration*, **2015**, 342, 44-56	3.9	57
226	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	2.8	64
225	A higher-order mathematical modeling for dynamic behavior of protein microtubule shell structures including shear deformation and small-scale effects. *Mathematical Biosciences*, **2014**, 252, 67-82	3.9	14

224	In-plane and out-of-plane motion characteristics of microbeams with modal interactions. *Composites Part B: Engineering*, **2014**, 60, 423-439	10	171
223	Non-linear vibrations and stability of a periodically supported rectangular plate in axial flow. *International Journal of Non-Linear Mechanics*, **2014**, 66, 54-65	2.8	17
222	Non-linear vibrations of shells: A literature review from 2003 to 2013. *International Journal of Non-Linear Mechanics*, **2014**, 58, 233-257	2.8	159
221	Physically and geometrically non-linear vibrations of thin rectangular plates. *International Journal of Non-Linear Mechanics*, **2014**, 58, 30-40	2.8	50
220	Discussion on "Nonlinear vibration of functionally graded circular cylindrical shells based on improved Donnell equations"by D.H. Bich and N. Xuan Nguyen, Journal of Sound and Vibration 331(25) (2012) 5488 5501. *Journal of Sound and Vibration*, **2014**, 333, 1851-1852	3.9	1
219	Dynamics of a pipe conveying fluid flexibly restrained at the ends. *Journal of Fluids and Structures*, **2014**, 49, 360-385	3.1	51
218	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	2.8	41
217	Effect of thickness deformation on large-amplitude vibrations of functionally graded rectangular plates. *Composite Structures*, **2014**, 113, 89-107	5.3	35
216	Nonlinear vibrations and multiple resonances of fluid filled arbitrary laminated circular cylindrical shells. *Composite Structures*, **2014**, 108, 951-962	5.3	22
215	Nonlinear vibrations of thin hyperelastic plates. *Journal of Sound and Vibration*, **2014**, 333, 4668-4681	3.9	45
214	Enhancing the Power Transfer Capability in a power system network using Series Connected FACTS Devices for increased Renewable penetration **2014**,		2
213	Active Vibration Control of a Composite Sandwich Plate **2014**,		1
212	Free Vibration of Moderately Thick Conical Shells Using a Higher Order Shear Deformable Theory. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2014**, 136,	1.6	8
211	An Experimental Study of Dynamics of Towed Flexible Cylinders **2014**,		2
210	Coupled longitudinal-transverse behaviour of a geometrically imperfect microbeam. *Composites Part B: Engineering*, **2014**, 60, 371-377	10	72
209	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	2.8	36
208	Thermo-mechanical nonlinear dynamics of a buckled axially moving beam. *Archive of Applied Mechanics*, **2013**, 83, 25-42	2.2	63
207	Nonlinear vibrations of laminated and sandwich rectangular plates with free edges. Part 1: Theory and numerical simulations. *Composite Structures*, **2013**, 105, 422-436	5.3	46

206	Nonlinear behaviour of electrically actuated MEMS resonators. *International Journal of Engineering Science*, **2013**, 71, 137-155	5.7	227
205	Coupled nonlinear size-dependent behaviour of microbeams. *Applied Physics A: Materials Science and Processing*, **2013**, 112, 329-338	2.6	69
204	Nonlinear dynamics of cantilevered extensible pipes conveying fluid. *Journal of Sound and Vibration* , **2013**, 332, 6405-6418	3.9	79
203	Nonlinear resonant behavior of microbeams over the buckled state. *Applied Physics A: Materials Science and Processing*, **2013**, 113, 297-307	2.6	62
202	Experimental study of large amplitude vibrations of a thin plate in contact with sloshing liquids. *Journal of Fluids and Structures*, **2013**, 42, 88-111	3.1	18
201	Exact Solutions for Free Vibrations and Buckling of Double Tapered Columns With Elastic Foundation and Tip Mass. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2013**, 135,	1.6	16
200	Nonlinear dynamics of axially moving plates. *Journal of Sound and Vibration*, **2013**, 332, 391-406	3.9	67
199	Coupled global dynamics of an axially moving viscoelastic beam. *International Journal of Non-Linear Mechanics*, **2013**, 51, 54-74	2.8	76
198	A nonlinear model for a towed flexible cylinder. *Journal of Sound and Vibration*, **2013**, 332, 1789-1806	3.9	14
197	In-plane and out-of-plane nonlinear dynamics of an axially moving beam. *Chaos, Solitons and Fractals*, **2013**, 54, 101-121	9.3	8
196	Three-dimensional nonlinear planar dynamics of an axially moving Timoshenko beam. *Archive of Applied Mechanics*, **2013**, 83, 591-604	2.2	16
195	Nonlinear dynamics of a microscale beam based on the modified couple stress theory. *Composites Part B: Engineering*, **2013**, 50, 318-324	10	213
194	Post-buckling bifurcations and stability of high-speed axially moving beams. *International Journal of Mechanical Sciences*, **2013**, 68, 76-91	5.5	30
193	Nonlinear forced vibrations of a microbeam based on the strain gradient elasticity theory. *International Journal of Engineering Science*, **2013**, 63, 52-60	5.7	233
192	Nonlinear dynamics of a geometrically imperfect microbeam based on the modified couple stress theory. *International Journal of Engineering Science*, **2013**, 68, 11-23	5.7	221
191	Nonlinear vibrations and stability of an axially moving Timoshenko beam with an intermediate spring support. *Mechanism and Machine Theory*, **2013**, 67, 1-16	4	57
190	Two-dimensional nonlinear dynamics of an axially moving viscoelastic beam with time-dependent axial speed. *Chaos, Solitons and Fractals*, **2013**, 52, 8-29	9.3	19
189	Non-linear dynamic instability of functionally graded plates in thermal environments. *International Journal of Non-Linear Mechanics*, **2013**, 50, 109-126	2.8	30

188	Nonlinear dynamics of an axially moving Timoshenko beam with an internal resonance. *Nonlinear Dynamics*, **2013**, 73, 39-52	5	52
187	Theory and experiments for nonlinear vibrations of imperfect rectangular plates with free edges. *Journal of Sound and Vibration*, **2013**, 332, 3564-3588	3.9	36
186	Three-dimensional nonlinear size-dependent behaviour of Timoshenko microbeams. *International Journal of Engineering Science*, **2013**, 71, 1-14	5.7	200
185	Three-dimensional dynamics of long pipes towed underwater. Part 2 Linear dynamics. *Ocean Engineering*, **2013**, 64, 161-173	3.9	11
184	Three-dimensional dynamics of long pipes towed underwater. Part 1: The equations of motion. *Ocean Engineering*, **2013**, 64, 153-160	3.9	13
183	Vibrations and stability of a periodically supported rectangular plate immersed in axial flow. *Journal of Fluids and Structures*, **2013**, 39, 391-407	3.1	18
182	Nonlinear vibrations of laminated and sandwich rectangular plates with free edges. Part 2: Experiments & comparisons. *Composite Structures*, **2013**, 105, 437-445	5.3	40
181	Non-linear global dynamics of an axially moving plate. *International Journal of Non-Linear Mechanics*, **2013**, 57, 16-30	2.8	22
180	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	3.9	30
179	Hydroelastic vibration of circular plates immersed in a liquid-filled container with free surface. *Journal of Sound and Vibration*, **2013**, 332, 3064-3085	3.9	101
178	Steady-state transverse response of an axially moving beam with time-dependent axial speed. *International Journal of Non-Linear Mechanics*, **2013**, 49, 40-49	2.8	61
177	Nonlinear vibrations of thick laminated circular cylindrical panels. *Composite Structures*, **2013**, 96, 643-660	3.3	17
176	Parametric Stability and Bifurcations of Axially Moving Viscoelastic Beams with Time-Dependent Axial Speed#. *Mechanics Based Design of Structures and Machines*, **2013**, 41, 359-381	1.7	17
175	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	3	21
174	Thermal Effects on Nonlinear Vibrations of an Axially Moving Beam with an Intermediate Spring-Mass Support. *Shock and Vibration*, **2013**, 20, 385-399	1.1	13
173	Nonlinear stability and bifurcations of an axially accelerating beam with an intermediate spring-support. *Coupled Systems Mechanics*, **2013**, 2, 159-174		2
172	Non-linear vibrations of shallow circular cylindrical panels with complex geometry. Meshless discretization with the R-functions method. *International Journal of Non-Linear Mechanics*, **2012**, 47, 137-152	2.8	11
171	Experiments and simulations for large-amplitude vibrations of rectangular plates carrying concentrated masses. *Journal of Sound and Vibration*, **2012**, 331, 155-166	3.9	25

170	Coupled longitudinal-transverse dynamics of an axially moving beam with an internal resonance. *Mechanism and Machine Theory*, **2012**, 52, 18-34	4	71
169	Nonlinear vibrations and stability of an axially moving beam with an intermediate spring support: two-dimensional analysis. *Nonlinear Dynamics*, **2012**, 70, 335-354	5	71
168	Subcritical parametric response of an axially accelerating beam. *Thin-Walled Structures*, **2012**, 60, 185-193	4.7	21
167	Nonlinear dynamics of axially moving viscoelastic beams over the buckled state. *Computers and Structures*, **2012**, 112-113, 406-421	4.5	64
166	Nonlinear vibrations of angle-ply laminated circular cylindrical shells: Skewed modes. *Composite Structures*, **2012**, 94, 3697-3709	5.3	34
165	Thermo-mechanical phase-shift determination in Coriolis mass-flowmeters with added masses. *Journal of Fluids and Structures*, **2012**, 34, 1-13	3.1	26
164	Internal resonances in non-linear vibrations of a laminated circular cylindrical shell. *Nonlinear Dynamics*, **2012**, 69, 755-770	5	48
163	A three-layer model for buckling of a human aortic segment under specific flow-pressure conditions. *International Journal for Numerical Methods in Biomedical Engineering*, **2012**, 28, 495-512	2.6	17
162	Coupled oscillations of a protein microtubule immersed in cytoplasm: an orthotropic elastic shell modeling. *Journal of Biological Physics*, **2012**, 38, 429-48	1.6	17
161	Thermal post-buckling of laminated and isotropic rectangular plates with fixed edges: Comparison of experimental and numerical results. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2012**, 226, 2393-2401	1.3	11
160	CHAOTIC VIBRATIONS IN FUNCTIONALLY GRADED DOUBLY CURVED SHELLS WITH INTERNAL RESONANCE. *International Journal of Structural Stability and Dynamics*, **2012**, 12, 1250047	1.9	8
159	Internal resonance and nonlinear response of an axially moving beam: two numerical techniques. *Coupled Systems Mechanics*, **2012**, 1, 235-245		1
158	NONLINEAR VIBRATIONS OF RECTANGULAR LAMINATED COMPOSITE PLATES WITH DIFFERENT BOUNDARY CONDITIONS. *International Journal of Structural Stability and Dynamics*, **2011**, 11, 673-695	1.9	27
157	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	3.1	35
156	Nonlinear vibrations of laminated circular cylindrical shells: Comparison of different shell theories. *Composite Structures*, **2011**, 94, 207-220	5.3	54
155	Nonlinear vibrations of FGM rectangular plates in thermal environments. *Nonlinear Dynamics*, **2011**, 66, 251-270	5	92
154	Nonlinear vibrations of clamped-free circular cylindrical shells. *Journal of Sound and Vibration*, **2011**, 330, 5363-5381	3.9	21
153	Thermal effects on nonlinear vibrations of functionally graded doubly curved shells using higher order shear deformation theory. *Composite Structures*, **2011**, 93, 2541-2553	5.3	63

152	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	2.8	28
151	Transition to chaotic vibrations for harmonically forced perfect and imperfect circular plates. *International Journal of Non-Linear Mechanics*, **2011**, 46, 234-246	2.8	43
150	Nonlinear vibrations of functionally graded doubly curved shallow shells. *Journal of Sound and Vibration*, **2011**, 330, 1432-1454	3.9	117
149	Wave propagation in protein microtubules modeled as orthotropic elastic shells including transverse shear deformations. *Journal of Biomechanics*, **2011**, 44, 1960-6	2.9	21
148	A hybrid method for the nondestructive evaluation of the axial load in structural tie-rods. *Nondestructive Testing and Evaluation*, **2011**, 26, 197-208	2	15
147	Hyperchaotic Behaviour of Shells Subjected to Flow and External Force **2010**,		1
146	Forced Vibrations of Circular Plates: From Periodic to Chaotic Motions **2010**,		1
145	Sloshing in a Vertical Circular Cylindrical Container With a Vertical Baffle **2010**,		1
144	Phase-Shift Determination in Coriolis Flowmeters With Added Masses **2010**,		1
143	Prediction of bending stiffness and deformed shape of non-axially compressed microtubule by a semi-analytical approach. *Journal of Biological Physics*, **2010**, 36, 427-35	1.6	7
142	Polynomial versus trigonometric expansions for nonlinear vibrations of circular cylindrical shells with different boundary conditions. *Journal of Sound and Vibration*, **2010**, 329, 1435-1449	3.9	42
141	Estimation of tensile force in tie-rods using a frequency-based identification method. *Journal of Sound and Vibration*, **2010**, 329, 2057-2067	3.9	42
140	Nonlinear dynamics of harmonically excited circular cylindrical shells containing fluid flow. *Journal of Sound and Vibration*, **2010**, 329, 3813-3834	3.9	11
139	Geometrically nonlinear vibrations of rectangular plates carrying a concentrated mass. *Journal of Sound and Vibration*, **2010**, 329, 4501-4514	3.9	25
138	Vibration analysis of a single microtubule surrounded by cytoplasm. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 43, 192-198	3	21
137	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	2.8	137
136	Nonlinear Vibrations of Circular Cylindrical Shells With Different Boundary Conditions **2009**,		2
135	Effect of geometric imperfections on non-linear stability of circular cylindrical shells conveying fluid. *International Journal of Non-Linear Mechanics*, **2009**, 44, 276-289	2.8	51

134	Shear deformable versus classical theories for nonlinear vibrations of rectangular isotropic and laminated composite plates. *Journal of Sound and Vibration*, **2009**, 320, 649-667	3.9	55
133	Thermal effects on geometrically nonlinear vibrations of rectangular plates with fixed edges. *Journal of Sound and Vibration*, **2009**, 321, 936-954	3.9	52
132	Nonlinear stability of cylindrical shells subjected to axial flow: Theory and experiments. *Journal of Sound and Vibration*, **2008**, 309, 637-676	3.9	41
131	Exact solution for linear buckling of rectangular Mindlin plates. *Journal of Sound and Vibration*, **2008**, 315, 318-342	3.9	80
130	Reduced-order models for large-amplitude vibrations of shells including in-plane inertia. *Computer Methods in Applied Mechanics and Engineering*, **2008**, 197, 2030-2045	5.7	33
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