Walter Lacarbonara

List of Publications by Year
in descending order

182 papers	**4,376** citations	117625 **34** h-index	144013 **57** g-index
192 all docs	**192** docs citations	**192** times ranked	**1973** citing authors

#	Article	IF	Citations
1	Nonlinear dynamic response of an isolation system with superelastic hysteresis and negative stiffness. Nonlinear Dynamics, 2022, 107, 1765-1790.	5.2	15
2	Parametric resonances of nonlinear piezoelectric beams exploiting in-plane actuation. Mechanical Systems and Signal Processing, 2022, 163, 108119.	8.0	4
3	A review on buckling and postbuckling of thin elastic beams. European Journal of Mechanics, A/Solids, 2022, 92, 104449.	3.7	22
4	Nonlinear wave propagation in locally dissipative metamaterials via Hamiltonian perturbation approach. Nonlinear Dynamics, 2022, 108, 765-787.	5.2	12
5	Optimum design of tuned mass damper with pinched hysteresis under nonstationary stochastic seismic ground motion. Mechanical Systems and Signal Processing, 2022, 170, 108745.	8.0	12
6	Variable Length Sling Load Hoisting Control Method. , 2022, , 233-242.		1
7	Modeling Asymmetric Hysteresis Inspired and Validated by Experimental Data. , 2022, , 371-381.		1
8	A Krylov accelerated Newton–Raphson scheme for efficient pseudo-arclength pathfollowing. International Journal of Non-Linear Mechanics, 2022, 145, 104116.	2.6	6
9	Nonlinear vibration absorbers for ropeway roller batteries control. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 4704-4718.	2.1	9
10	Cable tension identification via nonlinear static inverse problem. Structural Health Monitoring, 2021, 20, 546-566.	7.5	6
11	Nonlinear dynamic response of a multilayer piezoelectric nanocomposite microbeam with tip mass. Composite Structures, 2021, 256, 113077.	5.8	6
12	Pathfollowing of high-dimensional hysteretic systems under periodic forcing. Nonlinear Dynamics, 2021, 103, 3515-3528.	5.2	20
13	Buckling and postbuckling of extensible, shear-deformable beams: Some exact solutions and new insights. International Journal of Non-Linear Mechanics, 2021, 129, 103667.	2.6	18
14	Piezoelectrically induced nonlinear resonances for dynamic morphing of lightweight panels. Journal of Sound and Vibration, 2021, 498, 115951.	3.9	5
15	Nonlinear dynamic response of a wire rope isolator: Experiment, identification and validation. Engineering Structures, 2021, 238, 112121.	5.3	19
16	Stabilization Environment for Swing Stabilization and MEDEVAC Hoists. , 2021, , .		1
17	Three-part humeral head fractures treated with a definite construct of blocked threaded wires: finite element and parametric optimization analysis. JSES International, 2021, 5, 983-991.	1.6	3
18	Exploration of the Nonlinear Effect of Pendulum Tuned Mass Dampers on Vibration Control. Journal of Engineering Mechanics - ASCE, 2021, 147, .	2.9	17

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19	A ring vibration isolator enhanced by shape memory pseudoelasticity. Applied Mathematical Modelling, 2021, 100, 1-15.	4.2	12
20	A review on computational intelligence for identification of nonlinear dynamical systems. Nonlinear Dynamics, 2020, 99, 1709-1761.	5.2	94
21	Nonlinear vibration isolation via a circular ring. Mechanical Systems and Signal Processing, 2020, 136, 106490.	8.0	114
22	Asymptotic dynamic modeling and response of hysteretic nanostructured beams. Nonlinear Dynamics, 2020, 99, 227-248.	5.2	11
23	Understanding COVID-19 nonlinear multi-scale dynamic spreading in Italy. Nonlinear Dynamics, 2020, 101, 1583-1619.	5.2	23
24	Optimal Design of CNT-Nanocomposite Nonlinear Shells. Nanomaterials, 2020, 10, 2484.	4.1	10
25	Launching the Feature Article series. Nonlinear Dynamics, 2020, 102, 1963-1963.	5.2	0
26	Seismic effectiveness of hysteretic tuned mass dampers for inelastic structures. Engineering Structures, 2020, 216, 110591.	5.3	15
27	Mem-models as building blocks for simulation and identification of hysteretic systems. Nonlinear Dynamics, 2020, 100, 973-998.	5.2	21
28	Enhancing flutter stability in nanocomposite thin panels by harnessing CNT/polymer dissipation. Mechanics Research Communications, 2020, 104, 103495.	1.8	7
29	Nonlinear vibration analysis of rotating beams undergoing parametric instability: Lagging-axial motion. Mechanical Systems and Signal Processing, 2020, 144, 106892.	8.0	34
30	Dynamic Morphing of Actuated Elastic Membranes. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2020, , 37-48.	0.2	1
31	Nonlinear Dynamic Response of Nanocomposite Cantilever Beams. , 2020, , 49-57.		4
32	STORAGE AND DAMPING OPTIMIZATION IN HYSTERETIC MULTILAYER NANOCOMPOSITES. International Journal for Multiscale Computational Engineering, 2020, 18, 141-157.	1.2	2
33	A Numerical Strategy for Multistable Nanocomposite Shells. , 2020, , 59-67.		0
34	Optimization Strategies of Hysteretic Tuned Mass Dampers for Seismic Control. , 2020, , 99-106.		0
35	Comparison of Linear and Nonlinear Damping Effects on a Ring Vibration Isolator. , 2020, , 13-22.		1
36	Experimental Dynamic Response of a Nonlinear Wire Rope Isolator. , 2020, , 89-98.		0

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37	"Sliding Crystals"on Low-Dimensional Carbonaceous Nanofillers as Distributed Nanopistons for Highly Damping Materials. ACS Applied Materials & Interfaces, 2019, 11, 38147-38159.	8.0	12
38	Ropeway roller batteries dynamics: Modeling, identification, and full-scale validation. Engineering Structures, 2019, 180, 793-808.	5.3	10
39	Parametric Identification of Carbon Nanotube Nanocomposites Constitutive Response. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	10
40	Hysteretic damping optimization in carbon nanotube nanocomposites. Composite Structures, 2018, 194, 633-642.	5.8	14
41	Metamaterial beam with embedded nonlinear vibration absorbers. International Journal of Non-Linear Mechanics, 2018, 98, 32-42.	2.6	85
42	Interface Engineering of CNT/Polymer Nanocomposites With Tunable Damping Properties. , 2018, , .		1
43	Hysteresis Identification of Carbon Nanotube Composite Beams. , 2018, , .		1
44	Nonlinear Dynamic Response of Hysteretic Wire Ropes: Modeling and Experiments. , 2018, , .		1
45	Optimized Hysteretic TMD for Seismic Control of a Nonlinear Steel Structure. , 2018, , .		2
46	Passive Vibration Control of Roller Batteries in Cableways. , 2018, , .		1
47	Computational efficiency and accuracy of sequential nonlinear cyclic analysis of carbon nanotube nanocomposites. Advances in Engineering Software, 2018, 125, 126-135.	3.8	3
48	A Novel Strategy to Achieve Enhanced Reinforcement and Decreased Damping in CNT-Nanocomposites. Proceedings (mdpi), 2018, 2, 427.	0.2	0
49	Dynamical response identification of a class of nonlinear hysteretic systems. Journal of Intelligent Material Systems and Structures, 2018, 29, 2795-2810.	2.5	42
50	Tailoring of Hysteresis Across Different Material Scales. Springer Proceedings in Physics, 2018, , 227-250.	0.2	8
51	Nonlinear Dynamic Response of Carbon Nanotube Nanocomposite Microbeams. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	1.2	9
52	Nonlinearity of Finite-Amplitude Sloshing in Rectangular Containers. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	1
53	Tailoring of pinched hysteresis for nonlinear vibration absorption via asymptotic analysis. International Journal of Non-Linear Mechanics, 2017, 94, 59-71.	2.6	13
54	Enabling reduced-order data-driven nonlinear identification and modeling through naïve elastic net regularization. International Journal of Non-Linear Mechanics, 2017, 94, 46-58.	2.6	18

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55	Experimental data based cable tension identification via nonlinear static inverse problem. Procedia Engineering, 2017, 199, 453-458.	1.2	9
56	Quantifying rate dependence of hysteretic systems. Procedia Engineering, 2017, 199, 1447-1453.	1.2	4
57	On the stability of magnetically levitated rotating rings. International Journal of Mechanical Sciences, 2017, 131-132, 286-295.	6.7	5
58	Harvesting energy from Faraday waves. Journal of Applied Physics, 2017, 122, 224501.	2.5	6
59	Payload oscillations control in harbor cranes via semi-active vibration absorbers: modeling, simulations and experimental results. Procedia Engineering, 2017, 199, 501-509.	1.2	18
60	Three-dimensional modeling of interfacial stick-slip in carbon nanotube nanocomposites. International Journal of Plasticity, 2017, 88, 204-217.	8.8	20
61	An updated micromechanical model based on morphological characterization of carbon nanotube nanocomposites. Composites Part B: Engineering, 2017, 115, 70-78.	12.0	39
62	Dynamic Response and Identification of Tower-Cable-Roller Battery Interactions in Ropeways. , 2017, , .		1
63	Damage detection by modal curvatures: numerical issues. JVC/Journal of Vibration and Control, 2016, 22, 1913-1927.	2.6	39
64	Nonlinearity of Finite-Amplitude Waves in Rectangular Containers. , 2016, , .		1
65	Nonlinear Vibration Absorber Optimal Design via Asymptotic Approach. Procedia IUTAM, 2016, 19, 65-74.	1.2	10
66	Data-Based Nonlinear Identification and Constitutive Modeling of Hysteresis in NiTiNOL and Steel Strands. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	27
67	Nonlinear normal modes for damage detection. Meccanica, 2016, 51, 2629-2645.	2.0	25
68	Nonlinear interactions in deformable container cranes. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 5-20.	2.1	6
69	Post-Critical Behavior of Suspension Bridges Under Nonlinear Aerodynamic Loading. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	16
70	Nonlinear dynamic characterization of a new hysteretic device: experiments and computations. Nonlinear Dynamics, 2016, 83, 23-39.	5.2	63
71	Nonlinear Vibration Absorber with Pinched Hysteresis: Theory and Experiments. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	41
72	Nonlinear response of elastic cables with flexural-torsional stiffness. International Journal of Solids and Structures, 2016, 87, 267-277.	2.7	27

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73	Dynamic Response of Nonlinear Oscillators With Hysteresis. , 2015, , .		5
74	Free Vibration of Micromembranes Subject to Prestress and Pressure. , 2015, , .		1
75	Nonlinear Vibration Absorber Design: An Asymptotic Approach. , 2015, , .		1
76	Delamination detection in composite laminates using high-frequency P- and S-waves â€" Part I: Theory and analysis. Composite Structures, 2015, 134, 1095-1108.	5.8	11
77	Dynamics of container cranes: three-dimensional modeling, full-scale experiments, and identification. International Journal of Mechanical Sciences, 2015, 93, 8-21.	6.7	41
78	Delamination detection in composite laminates using high-frequency P- and S-waves â€" Part II: Experimental validation. Composite Structures, 2015, 134, 1109-1117.	5.8	5
79	Nonlinear tuning of microresonators for dynamic range enhancement. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140969.	2.1	6
80	A nonlinear mechanical model for the fatigue life of thin-film carbon nanotube supercapacitors. Composites Part B: Engineering, 2015, 80, 299-306.	12.0	7
81	Hysteretic Beam Model for Steel Wire Ropes Hysteresis Identification. Springer Proceedings in Physics, 2015, , 261-282.	0.2	8
82	Computationally efficient reduction of modal data from finite element models by nested sets of B-splines. Composite Structures, 2015, 134, 549-564.	5.8	1
83	Numerical and Experimental Assessment of the Modal Curvature Method for Damage Detection in Plate Structures. Springer Proceedings in Physics, 2015, , 59-68.	0.2	1
84	Flexural vibrations of nonlinearly elastic circular rings. Meccanica, 2015, 50, 689-705.	2.0	22
85	Hysteresis of Multiconfiguration Assemblies of Nitinol and Steel Strands: Experiments and Phenomenological Identification. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	58
86	A new vibration absorber based on the hysteresis of multi-configuration NiTiNOL-steel wire ropes assemblies. MATEC Web of Conferences, 2014, 16, 01004.	0.2	7
87	Detection of Nonlinearities in Plates Via Higher-Order-Spectra: Numerical and Experimental Studies. Journal of Vibration and Acoustics, Transactions of the ASME, 2014, 136, .	1.6	4
88	Hysteretic tuned mass dampers for structural vibration mitigation. Journal of Sound and Vibration, 2014, 333, 1302-1318.	3.9	74
89	Mitigation of post-flutter oscillations in suspension bridges by hysteretic tuned mass dampers. Engineering Structures, 2014, 69, 62-71.	5.3	68
90	Aeroelastic behavior of long-span suspension bridges under arbitrary wind profiles. Journal of Fluids and Structures, 2014, 50, 105-119.	3.4	32

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91	Indicial functions in the aeroelasticity of bridge decks. Journal of Fluids and Structures, 2014, 48, 203-215.	3.4	22
92	Nonlinear modeling of carbon nanotube composites dissipation due to interfacial stick–slip. International Journal of Plasticity, 2014, 53, 148-163.	8.8	33
93	A fully nonlinear dynamic formulation for rotating composite beams: Nonlinear normal modes in flapping. Composite Structures, 2014, 109, 93-105.	5.8	24
94	Numerical and experimental assessment of the modal curvature method for damage detection in plate structures. MATEC Web of Conferences, 2014, 16, 02007.	0.2	1
95	Nonlinear Structural Mechanics. , 2013, , .		124
96	The Elastic Cable: From Formulation to Computation. , 2013, , 155-209.		1
97	Nonlinear Mechanics of Three-Dimensional Solids. , 2013, , 211-283.		0
98	The Nonlinear Theory of Plates. , 2013, , 497-592.		3
99	Elastic Instabilities of Slender Structures. , 2013, , 367-431.		0
100	The Nonlinear Theory of Beams. , 2013, , 285-366.		1
101	Discretization Methods. , 2013, , 717-749.		0
102	The Nonlinear Theory of Cable-Supported Structures. , 2013, , 593-680.		1
103	Concepts, Methods, and Paradigms. , 2013, , 1-66.		2
104	Stability and Bifurcation of Structures. , 2013, , 67-153.		0
105	The Nonlinear Theory of Arch-Supported Structures. , 2013, , 681-715.		1
106	The Nonlinear Theory of Curved Beams and Flexurally Stiff Cables. , 2013, , 433-496.		1
107	Damage model of carbon nanotubes debonding in nanocomposites. Composite Structures, 2013, 96, 514-525.	5.8	12
108	Nonlinear Aeroelastic Formulation and Postflutter Analysis of Flexible High-Aspect-Ratio Wings. Journal of Aircraft, 2013, 50, 1748-1764.	2.4	36

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109	Three-Dimensional Modeling of Container Cranes. , 2013, , .		7
110	Nonlinear Flexural Vibrations of Unshearable Elastic Rings. , 2013, , .		0
111	Coupling FEM With Parameter Continuation for Analysis of Bifurcations of Periodic Responses in Nonlinear Structures. Journal of Computational and Nonlinear Dynamics, 2013, 8, .	1.2	31
112	Post-Flutter Bifurcation Behavior in Long-Span Suspension Bridges. , 2013, , .		0
113	Post-Flutter Analysis of Flexible High-Aspect-Ratio Wings. , 2012, , .		15
114	Nonlinear dynamics enabled systems design and control. Journal of Physics: Conference Series, 2012, 382, 012001.	0.4	1
115	Unsteady Aerodynamic Modeling and Flutter Analysis of Long-Span Suspension Bridges. , 2012, , .		2
116	On assessing the robustness of an input signal optimization algorithm for damage detection: the Info-Gap Decision Theory approach. MATEC Web of Conferences, 2012, 1, 01003.	0.2	1
117	A geometrically exact approach to the overall dynamics of elastic rotating bladesâ€"part 1: linear modal properties. Nonlinear Dynamics, 2012, 70, 659-675.	5.2	62
118	A geometrically exact approach to the overall dynamics of elastic rotating bladesâ€"part 2: flapping nonlinear normal modes. Nonlinear Dynamics, 2012, 70, 2279-2301.	5.2	32
119	Nonlinear parametric modeling of suspension bridges under aeroelastic forces: torsional divergence and flutter. Nonlinear Dynamics, 2012, 70, 2487-2510.	5.2	69
120	Nonlinear Phenomena in Hysteretic Systems. Procedia IUTAM, 2012, 5, 69-77.	1.2	3
121	On the reliability of a PCA-based method for structural diagnosis in bridge structures with environmental disturbances. MATEC Web of Conferences, 2012, 1, 01002.	0.2	3
122	Design and Analysis of a Microelectromechanical Device Capable of Testing Theoretical Models of Impact at the Microscale. , 2012, , .		1
123	Parametric resonances in a base-excited double pendulum. Nonlinear Dynamics, 2012, 69, 1679-1692.	5.2	40
124	Parametric instabilities of the radial motions of non-linearly viscoelastic shells under pulsating pressures. International Journal of Non-Linear Mechanics, 2012, 47, 461-472.	2.6	21
125	A three-dimensional continuum approach to the thermoelastodynamics of large-scale structures. Engineering Structures, 2012, 40, 155-167.	5.3	11
126	Flutter of an Arch Bridge via a Fully Nonlinear Continuum Formulation. Journal of Aerospace Engineering, 2011, 24, 112-123.	1.4	28

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127	Nonlinear Aeroelastic Formulation for Flexible High-Aspect Ratio Wings via Geometrically Exact Approach. , 2011, , .		20
128	Nonlinear Finite Element-Based Path Following of Periodic Solutions. , 2011, , .		12
129	Advanced System Identification of Plates Using a Higher-Order-Spectral Approach: Theory and Experiment. , 2011, , .		12
130	A geometrically exact formulation for thin multi-layered laminated composite plates: Theory and experiment. Composite Structures, 2011, 93, 1649-1663.	5.8	19
131	On various representations of higher order approximations of the free oscillatory response of nonlinear dynamical systems. Journal of Sound and Vibration, 2011, 330, 3410-3423.	3.9	6
132	Flutter Control of a Lifting Surface via Visco-Hysteretic Vibration Absorbers. International Journal of Aeronautical and Space Sciences, 2011, 12, 331-345.	2.0	35
133	Nonlinear Wave Propagation in the Cochlea with Feed-Forward and Feed-Backward. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2011, , 165-175.	0.2	0
134	Zeroth-Order Corrections to the Euler-Bernoulli Beam Model. , 2010, , .		1
135	A generalized higher-order theory for multi-layered, shear-deformable composite plates. Acta Mechanica, 2010, 209, 85-98.	2.1	31
136	Vibrations of carbon nanotube-reinforced composites. Journal of Sound and Vibration, 2010, 329, 1875-1889.	3.9	194
137	A generalized higher-order theory for buckling of thick multi-layered composite plates with normal and transverse shear strains. Composite Structures, 2010, 92, 3011-3019.	5.8	33
138	Mitigation of Pedestrian-induced Vibrations in Suspension Footbridges via Multiple Tuned Mass Dampers. JVC/Journal of Vibration and Control, 2010, 16, 749-776.	2.6	35
139	Response of Electrostatically Actuated Flexible MEMS Structures to the Onset of Low-Velocity Contact. , 2009, , .		13
140	Forced Radial Motions of Nonlinearly Viscoelastic Shells. Journal of Elasticity, 2009, 96, 155-190.	1.9	30
141	Vibration mitigation of guyed masts via tuned pendulum dampers. Structural Engineering and Mechanics, 2009, 32, 517-529.	1.0	19
142	Simply supported elastic beams under parametric excitation. Nonlinear Dynamics, 2008, 53, 129-138.	5.2	25
143	Buckling and post-buckling of non-uniform non-linearly elastic rods. International Journal of Mechanical Sciences, 2008, 50, 1316-1325.	6.7	36
144	Special Issue of the Journal of Vibration and Control in honor of Professor Fabrizio Vestroni. JVC/Journal of Vibration and Control, 2008, 14, 3-5.	2.6	0

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145	Nonlinear Modeling of Cables with Flexural Stiffness. Mathematical Problems in Engineering, 2008, 2008, 1-21.	1.1	34
146	Elastodynamics of Nonshallow Suspended Cables: Linear Modal Properties. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 425-433.	1.6	35
147	Vibration Behavior of Thick Composite Laminated Plates Subject to In-Plane Pre-Stress Loading. , 2007, , 2105.		12
148	Parametric Resonances of Nonlinearly Viscoelastic Rings Subject to a Pulsating Pressure. , 2007, , .		13
149	On solution strategies to Saint-Venant problem. Journal of Computational and Applied Mathematics, 2007, 206, 473-497.	2.0	40
150	Non-linear cancellation of the parametric resonance in elastic beams: Theory and experiment. International Journal of Solids and Structures, 2007, 44, 2209-2224.	2.7	27
151	Non-linear modal properties of non-shallow cables. International Journal of Non-Linear Mechanics, 2007, 42, 542-554.	2.6	44
152	Dynamic response of arch bridges traversed by high-speed trains. Journal of Sound and Vibration, 2007, 304, 72-90.	3.9	33
153	Buckling of Laminated Composite Plates via a Refined Higher-Order Theory. , 2006, , .		2
154	Refined models of elastic beams undergoing large in-plane motions: Theory and experiment. International Journal of Solids and Structures, 2006, 43, 5066-5084.	2.7	103
155	On the linear normal modes of planar pre-stressed curved beams. Journal of Sound and Vibration, 2005, 284, 1075-1097.	3.9	40
156	Non-linear interactions in imperfect beams at veering. International Journal of Non-Linear Mechanics, 2005, 40, 987-1003.	2.6	95
157	Free in-plane vibrations of highly buckled beams carrying a lumped mass. Acta Mechanica, 2005, 180, 133-156.	2.1	26
158	Galloping Instabilities of Geometrically Nonlinear Nonshallow Cables Under Steady Wind Flows. , 2005, , 1565.		13
159	Nonlinear Active Cancellation of the Parametric Resonance in a Magnetically Levitated Body. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2004, 126, 433-442.	1.6	28
160	Modeling of planar nonshallow prestressed beams towards asymptotic solutions. Mechanics Research Communications, 2004, 31, 301-310.	1.8	30
161	Closed-loop non-linear control of an initially imperfect beam with non-collocated input. Journal of Sound and Vibration, 2004, 273, 695-711.	3.9	27
162	Nonlinear thermomechanical oscillations of shape-memory devices. International Journal of Solids and Structures, 2004, 41, 1209-1234.	2.7	83

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163	Nonlinear normal modes of structural systems via asymptotic approach. International Journal of Solids and Structures, 2004, 41, 5565-5594.	2.7	64
164	Linear Vibrations of Planar Prestressed Elastica Arches. , 2004, , .		5
165	Nonclassical Responses of Oscillators with Hysteresis. Nonlinear Dynamics, 2003, 32, 235-258.	5.2	98
166	Resonant non-linear normal modes. Part I: analytical treatment for structural one-dimensional systems. International Journal of Non-Linear Mechanics, 2003, 38, 851-872.	2.6	162
167	Resonant non-linear normal modes. Part II: activation/orthogonality conditions for shallow structural systems. International Journal of Non-Linear Mechanics, 2003, 38, 873-887.	2.6	101
168	Nonlinear Responses of Shallow Arches at Veering. , 2003, , .		0
169	An Experimental Investigation of the Parametric Resonance in a Buckled Beam. , 2003, , 2565.		14
170	Multimode Interactions in Suspended Cables. JVC/Journal of Vibration and Control, 2002, 8, 337-387.	2.6	105
171	Open-Loop Nonlinear Vibration Control of Shallow Arches via Perturbation Approach. Journal of Applied Mechanics, Transactions ASME, 2002, 69, 325-334.	2.2	23
172	<title>Modeling and analysis of smart localized structural elements for nonlinear vibration control of a taut string</title>. , 2002, 4693, 407.		1
173	A Nonclassical Vibration Absorber for Pendulation Reduction. JVC/Journal of Vibration and Control, 2001, 7, 365-393.	2.6	6
174	Multimode interactions in suspended cables. , 2001, , .		0
175	Open-Loop Resonance-Cancellation Control for a Base-Excited Pendulum. JVC/Journal of Vibration and Control, 2001, 7, 1265-1279.	2.6	9
176	Periodic and Nonperiodic Thermomechanical Responses of Shape-Memory Oscillators. , 2001, , .		3
177	Multiple resonances in suspended cables: direct versus reduced-order models. International Journal of Non-Linear Mechanics, 1999, 34, 901-924.	2.6	126
178	Nonlinear Normal Modes of Buckled Beams: Three-to-One and One-to-One Internal Resonances. Nonlinear Dynamics, 1999, 18, 253-273.	5.2	92
179	DIRECT TREATMENT AND DISCRETIZATIONS OF NON-LINEAR SPATIALLY CONTINUOUS SYSTEMS. Journal of Sound and Vibration, 1999, 221, 849-866.	3.9	91
180	Poincaré Map-Based Continuation of Periodic Orbits in Dynamic Discontinuous and Hysteretic Systems. , 1999, , .		8

#	Article	IF	Citations
181	Title is missing!. Nonlinear Dynamics, 1998, 17, 95-117.	5.2	95
182	On the Discretization of Distributed-Parameter Systems with Quadratic and Cubic Nonlinearities. Nonlinear Dynamics, 1997, 13, 203-220.	5.2	94