Hu Ding

List of Publications by Year in Descending Order

183 papers	3,273 citations	33 h-index	45 g-index
193 ext. papers	4,520 ext. citations	3.4 avg, IF	6.53 L-index

#	Paper	IF	Citations
183	Research on a Limited NES with Forced Vibration. *Lecture Notes in Electrical Engineering*, **2022**, 113-126	0.2	1
182	GNSS Aided Long-Range 3D Displacement Sensing for High-Rise Structures with Two Non-Overlapping Cameras. *Remote Sensing*, **2022**, 14, 379	5	4
181	Two-modal resonance control with an encapsulated nonlinear energy sink. *Journal of Sound and Vibration*, **2022**, 520, 116667	3.9	2
180	Performance evaluation and design criterion of a nonlinear energy sink. *Mechanical Systems and Signal Processing*, **2022**, 169, 108770	7.8	1
179	Mass design of nonlinear energy sinks. *Engineering Structures*, **2022**, 250, 113438	4.7	3
178	Passive Suppression of Piecewise System with Nonlinear Energy Sink. *Lecture Notes in Electrical Engineering*, **2022**, 933-946	0.2	
177	Study on crack propagation path of asphalt pavement under vehicle-road coupled vibration. *Applied Mathematical Modelling*, **2022**, 101, 481-502	4.5	3
176	Internal Resonances of a Rotating Pre-deformed Blade Under a Harmonic Gas Pressure **2022**, 783-793		
175	Orthogonal six-DOFs vibration isolation with tunable high-static-low-dynamic stiffness: Experiment and analysis. *International Journal of Mechanical Sciences*, **2022**, 222, 107237	5.5	3
174	Critical velocity and supercritical natural frequencies of fluid-conveying pipes with retaining clips. *International Journal of Mechanical Sciences*, **2022**, 222, 107254	5.5	0
173	Theoretical and experimental analysis of vibration reduction for piecewise linear system by nonlinear energy sink. *Mechanical Systems and Signal Processing*, **2022**, 172, 109001	7.8	0
172	Double-peak resonant mapping of cellular viscoelasticity in force-clamp detection of atomic force microscope. *Journal of Sound and Vibration*, **2022**, 527, 116869	3.9	
171	Energy harvesting of a fluid-conveying piezoelectric pipe. *Applied Mathematical Modelling*, **2022**, 107, 165-181	4.5	2
170	Effects of weights on vibration suppression via a nonlinear energy sink under vertical stochastic excitations. *Mechanical Systems and Signal Processing*, **2022**, 173, 109073	7.8	0
169	Rotational nonlinear double-beam energy harvesting. *Smart Materials and Structures*, **2022**, 31, 025020	3.4	17
168	On a spring-assisted multi-stable hybrid-integrated vibration energy harvester for ultra-low-frequency excitations. *Energy*, **2022**, 252, 124028	7.9	2
167	Nonlinear normal modes and optimization of a square root nonlinear energy sink. *Nonlinear Dynamics*, **2021**, 104, 1069-1096	5	4

166	Influence of vehicle-road coupled vibration on tire adhesion based on nonlinear foundation. *Applied Mathematics and Mechanics (English Edition)*, **2021**, 42, 607-624	3.2	2
165	Non-trivial equilibriums and natural frequencies of a slightly curved pipe conveying supercritical fluid. *Ocean Engineering*, **2021**, 227, 108899	3.9	7
164	Theoretical and experimental study of an enhanced nonlinear energy sink. *Nonlinear Dynamics*, **2021**, 104, 3269-3291	5	1
163	Bending vibration control of pipes conveying fluids by nonlinear torsional absorbers at the boundary. *Science China Technological Sciences*, **2021**, 64, 1690-1704	3.5	1
162	Nonlinear energy sink with limited vibration amplitude. *Mechanical Systems and Signal Processing*, **2021**, 156, 107625	7.8	18
161	A nonlinear stiffness and nonlinear inertial vibration isolator. *JVC/Journal of Vibration and Control*, **2021**, 27, 1336-1352	2	10
160	Vibration isolation and energy harvesting integrated in a Stewart platform with high static and low dynamic stiffness. *Applied Mathematical Modelling*, **2021**, 89, 249-267	4.5	36
159	Dynamic analysis of uncertain spur gear systems. *Mechanical Systems and Signal Processing*, **2021**, 150, 107280	7.8	9
158	The Scheme to Determine the Convergence Term of the Galerkin Method for Dynamic Analysis of Sandwich Plates on Nonlinear Foundations. *Acta Mechanica Solida Sinica*, **2021**, 34, 1-11	2	5
157	Vibration Reduction of a Composite Plate with Inertial Nonlinear Energy Sink **2021**, 121-128		
156	Nonlinear vibration suppression of composite laminated beam embedded with NiTiNOL-steel wire ropes. *Nonlinear Dynamics*, **2021**, 103, 2391-2407	5	2
155	Vibration suppression of an elastic beam with boundary inerter-enhanced nonlinear energy sinks. *Acta Mechanica Sinica/Lixue Xuebao*, **2021**, 37, 387-401	2	10
154	An approximate method for pipes conveying fluid with strong boundaries. *Journal of Sound and Vibration*, **2021**, 505, 116157	3.9	6
153	A dual-functional metamaterial for integrated vibration isolation and energy harvesting. *Journal of Sound and Vibration*, **2021**, 509, 116251	3.9	37
152	A ring vibration isolator enhanced by a nonlinear energy sink. *Journal of Sound and Vibration*, **2021**, 508, 116201	3.9	10
151	Improving the performance of a tri-stable energy harvester with a staircase-shaped potential well. *Mechanical Systems and Signal Processing*, **2021**, 159, 107805	7.8	6
150	A ring vibration isolator enhanced by shape memory pseudoelasticity. *Applied Mathematical Modelling*, **2021**, 100, 1-15	4.5	3
149	Massive Learning Behaviours Influence Educational Sustainability: A Machine Learning Approach. *Journal of Physics: Conference Series*, **2020**, 1487, 012032	0.3	

148	Subharmonic and Combination Resonance of Rotating Pre-deformed Blades Subjected to High Gas Pressure. *Acta Mechanica Solida Sinica*, **2020**, 33, 635-649	2	5
147	Gravitational effects and mode interactions of vertical cantilever beams. *International Journal of Non-Linear Mechanics*, **2020**, 123, 103493	2.8	2
146	Convergent term of the Galerkin truncation for dynamic response of sandwich beams on nonlinear foundations. *Journal of Sound and Vibration*, **2020**, 483, 115514	3.9	5
145	Designs, analysis, and applications of nonlinear energy sinks. *Nonlinear Dynamics*, **2020**, 100, 3061-3107	5	64
144	Internal resonance and stress distribution of pipes conveying fluid in supercritical regime. *International Journal of Mechanical Sciences*, **2020**, 186, 105900	5.5	8
143	Suppression of multiple modal resonances of a cantilever beam by an impact damper. *Applied Mathematics and Mechanics (English Edition)*, **2020**, 41, 383-400	3.2	18
142	Two-span piezoelectric beam energy harvesting. *International Journal of Mechanical Sciences*, **2020**, 175, 105532	5.5	23
141	Dynamic effect of internal resonance caused by gravity on the nonlinear vibration of vertical cantilever beams. *Journal of Sound and Vibration*, **2020**, 474, 115265	3.9	12
140	Nonlinear vibration effects on the fatigue life of fluid-conveying pipes composed of axially functionally graded materials. *Nonlinear Dynamics*, **2020**, 100, 1091-1104	5	16
139	Primary and super-harmonic resonances of Timoshenko pipes conveying high-speed fluid. *Ocean Engineering*, **2020**, 203, 107258	3.9	10
138	Demystifying help-seeking students interacting multimodal learning environment under machine learning regime **2020**,		3
137	Different types of solitary waves in a thermo-hyperelastic neo-Hookean cylindrical shell. *Composite Structures*, **2020**, 243, 112178	5.3	1
136	A bio-inspired isolator based on characteristics of quasi-zero stiffness and bird multi-layer neck. *Mechanical Systems and Signal Processing*, **2020**, 145, 106967	7.8	33
135	Nonlinear vibrations of a slightly curved beam with nonlinear boundary conditions. *International Journal of Mechanical Sciences*, **2020**, 168, 105294	5.5	28
134	An approximate method for one-dimensional structures with strong nonlinear and nonhomogenous boundary conditions. *Journal of Sound and Vibration*, **2020**, 469, 115128	3.9	5
133	Nonlinear vibration isolation via a circular ring. *Mechanical Systems and Signal Processing*, **2020**, 136, 106490	7.8	53
132	Vibration reduction evaluation of a linear system with a nonlinear energy sink under a harmonic and random excitation. *Applied Mathematics and Mechanics (English Edition)*, **2020**, 41, 1-14	3.2	22
131	Integrated vibration isolation and energy harvesting via a bistable piezo-composite plate. *JVC/Journal of Vibration and Control*, **2020**, 26, 779-789	2	16

130	Averaging analysis on a semi-active inerter-based suspension system with relative-acceleration-relative-velocity control. *JVC/Journal of Vibration and Control*, **2020**, 26, 1199-1215	2	17
129	Research on a nonlinear quasi-zero stiffness vibration isolator with a vibration absorber. *Science Progress*, **2020**, 103, 36850420940891	1.1	1
128	Three to one internal resonances of a pre-deformed rotating beam with quadratic and cubic nonlinearities. *International Journal of Non-Linear Mechanics*, **2020**, 126, 103552	2.8	9
127	Dynamic performance analysis of a mixed-connected inerter-based quasi-zero stiffness vibration isolator. *Structural Control and Health Monitoring*, **2020**, 27, e2604	4.5	5
126	A suspension system with quasi-zero stiffness characteristics and inerter nonlinear energy sink. *JVC/Journal of Vibration and Control*, **2020**, 107754632097290	2	7
125	Parametric resonances of Timoshenko pipes conveying pulsating high-speed fluids. *Journal of Sound and Vibration*, **2020**, 485, 115594	3.9	6
124	Educational Sustainability through Big Data Assimilation to Quantify Academic Procrastination Using Ensemble Classifiers. *Sustainability*, **2020**, 12, 6074	3.6	3
123	Elimination of multimode resonances of composite plate by inertial nonlinear energy sinks. *Mechanical Systems and Signal Processing*, **2020**, 135, 106383	7.8	45
122	Vibration control combining nonlinear isolation and nonlinear absorption. *Nonlinear Dynamics*, **2020**, 100, 2121-2139	5	31
121	Parametric and internal resonance of a transporting plate with a varying tension. *Nonlinear Dynamics*, **2019**, 98, 2491-2508	5	4
120	Nonlinear frequencies and forced responses of pipes conveying fluid via a coupled Timoshenko model. *Journal of Sound and Vibration*, **2019**, 455, 241-255	3.9	20
119	Dynamic stiffness method for free vibration of an axially moving beam with generalized boundary conditions. *Applied Mathematics and Mechanics (English Edition)*, **2019**, 40, 911-924	3.2	14
118	Dynamic effects of weights on vibration reduction by a nonlinear energy sink moving vertically. *Journal of Sound and Vibration*, **2019**, 451, 99-119	3.9	20
117	An inertial nonlinear energy sink. *Journal of Sound and Vibration*, **2019**, 450, 199-213	3.9	42
116	Stress distribution and fatigue life of nonlinear vibration of an axially moving beam. *Science China Technological Sciences*, **2019**, 62, 1123-1133	3.5	8
115	Vibration of axially moving hyperelastic beam with finite deformation. *Applied Mathematical Modelling*, **2019**, 71, 269-285	4.5	18
114	Passive Isolation by Nonlinear Boundaries for Flexible Structures. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2019**, 141,	1.6	5
113	The evaluation of a nonlinear energy sink absorber based on the transmissibility. *Mechanical Systems and Signal Processing*, **2019**, 125, 99-122	7.8	41

112	Jump-based estimation for nonlinear stiffness and damping parameters. *JVC/Journal of Vibration and Control*, **2019**, 25, 325-335	2	11
111	Nonlinear Vibration Analyses of Cylindrical Shells Composed of Hyperelastic Materials. *Acta Mechanica Solida Sinica*, **2019**, 32, 463-482	2	10
110	Parametric Influence on Energy Harvesting of Magnetic Levitation Using Harmonic Balance Method. *Journal of Vibration Engineering and Technologies*, **2019**, 7, 543-549	2	5
109	Kinematic Aspects in Modeling Large-Amplitude Vibration of Axially Moving Beams. *International Journal of Applied Mechanics*, **2019**, 11, 1950021	2.4	2
108	Super-harmonic resonances of a rotating pre-deformed blade subjected to gas pressure. *Nonlinear Dynamics*, **2019**, 98, 2531-2549	5	13
107	Chaos Threshold of a Multistable Piezoelectric Energy Harvester Subjected to Wake-Galloping. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2019**, 29, 1950162	2	7
106	High-static-low-dynamic-stiffness vibration isolation enhanced by damping nonlinearity. *Science China Technological Sciences*, **2019**, 62, 1103-1110	3.5	37
105	Resonance response interaction without internal resonance in vibratory energy harvesting. *Mechanical Systems and Signal Processing*, **2019**, 121, 767-776	7.8	30
104	Nonlinear energy harvesting based on a modified snap-through mechanism. *Applied Mathematics and Mechanics (English Edition)*, **2019**, 40, 167-180	3.2	23
103	Nonlinear vibration isolation for fluid-conveying pipes using quasi-zero stiffness characteristics. *Mechanical Systems and Signal Processing*, **2019**, 121, 675-688	7.8	83
102	Nonlinear isolation of transverse vibration of pre-pressure beams. *Journal of Sound and Vibration*, **2019**, 442, 738-751	3.9	39
101	Nonlinear vibration of a beam with asymmetric elastic supports. *Nonlinear Dynamics*, **2019**, 95, 2543-2554	5	21
100	Nonlinear vibration of a slightly curved beam with quasi-zero-stiffness isolators. *Nonlinear Dynamics*, **2019**, 95, 2367-2382	5	52
99	Nonlinear Torsional Vibration Absorber for Flexible Structures. *Journal of Applied Mechanics, Transactions ASME*, **2019**, 86,	2.7	18
98	Internal resonance of a supercritically axially moving beam subjected to the pulsating speed. *Nonlinear Dynamics*, **2019**, 95, 631-651	5	16
97	Experimental investigation of fluid mixing inside a rod bundle using laser induced fluorescence. *Progress in Nuclear Energy*, **2019**, 110, 90-102	2.3	5
96	Dynamics and evaluation of a nonlinear energy sink integrated by a piezoelectric energy harvester under a harmonic excitation. *JVC/Journal of Vibration and Control*, **2019**, 25, 851-867	2	19
95	Free and forced nonlinear vibration of a transporting belt with pulley support ends. *Nonlinear Dynamics*, **2018**, 92, 2037-2048	5	13

94	Nonlinear vibration of a traveling belt with non-homogeneous boundaries. *Journal of Sound and Vibration*, **2018**, 424, 78-93	3.9	27
93	Vibration reduction effect of one-way clutch on belt-drive systems. *European Journal of Mechanics, A/Solids*, **2018**, 71, 378-385	3.7	6
92	Nonlinear vibration isolation of a viscoelastic beam. *Nonlinear Dynamics*, **2018**, 92, 325-349	5	30
91	Nonlinear vibration of axially accelerating hyperelastic beams. *International Journal of Non-Linear Mechanics*, **2018**, 99, 302-310	2.8	12
90	Modeling and analysis of an axially acceleration beam based on a higher order beam theory. *Meccanica*, **2018**, 53, 2525-2542	2.1	8
89	Complexification-Averaging Analysis on a Giant Magnetostrictive Harvester Integrated With a Nonlinear Energy Sink. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2018**, 140,	1.6	31
88	Effects of rotary inertia on sub- and super-critical free vibration of an axially moving beam. *Meccanica*, **2018**, 53, 3233-3249	2.1	5
87	Transmissibility of Bending Vibration of an Elastic Beam. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2018**, 140,	1.6	17
86	Vibration Suppression of a Nonlinear Fluid-Conveying Pipe Under Harmonic Foundation Displacement Excitation Via Nonlinear Energy Sink. *International Journal of Applied Mechanics*, **2018** , 10, 1850096	2.4	16
85	A lever-type nonlinear energy sink. *Journal of Sound and Vibration*, **2018**, 437, 119-134	3.9	40
84	Nonlinear energy sink for a flywheel system vibration reduction. *Journal of Sound and Vibration*, **2018**, 429, 305-324	3.9	23
83	Vibration around non-trivial equilibrium of a supercritical Timoshenko pipe conveying fluid. *Journal of Sound and Vibration*, **2018**, 428, 104-118	3.9	29
82	Power Flow in a Two-Stage Nonlinear Vibration Isolation System with High-Static-Low-Dynamic Stiffness. *Shock and Vibration*, **2018**, 2018, 1-13	1.1	5
81	Frequencies of transverse vibration of an axially moving viscoelastic beam. *JVC/Journal of Vibration and Control*, **2017**, 23, 3504-3514	2	12
80	Transverse vibration of viscoelastic Timoshenko beam-columns. *JVC/Journal of Vibration and Control*, **2017**, 23, 1572-1584	2	5
79	Primary resonance of coupled cantilevers subjected to magnetic interaction. *Meccanica*, **2017**, 52, 807-823	2.1	7
78	Nonlinear Energy Sink for Whole-Spacecraft Vibration Reduction. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2017**, 139,	1.6	73
77	Dynamics of a super-critically axially moving beam with parametric and forced resonance. *Nonlinear Dynamics*, **2017**, 89, 1475-1487	5	14

76	Integration of a nonlinear energy sink and a piezoelectric energy harvester. *Applied Mathematics and Mechanics (English Edition)*, **2017**, 38, 1019-1030	3.2	45
75	Natural frequencies of a super-critical transporting Timoshenko beam. *European Journal of Mechanics, A/Solids*, **2017**, 66, 79-93	3.7	20
74	Vibration of axially moving beam supported by viscoelastic foundation. *Applied Mathematics and Mechanics (English Edition)*, **2017**, 38, 161-172	3.2	10
73	Integration of a nonlinear energy sink and a giant magnetostrictive energy harvester. *Journal of Sound and Vibration*, **2017**, 391, 35-49	3.9	87
72	Vibration of Flexible Structures Under Nonlinear Boundary Conditions. *Journal of Applied Mechanics, Transactions ASME*, **2017**, 84,	2.7	23
71	Analysis and suppression of a self-excitation vibration via internal stiffness and damping nonlinearity. *Advances in Mechanical Engineering*, **2017**, 9, 168781401774402	1.2	3
70	Free Vibration of a Rotating Ring on an Elastic Foundation. *International Journal of Applied Mechanics*, **2017**, 09, 1750051	2.4	12
69	Forced vibration of axially moving beam with internal resonance in the supercritical regime. *International Journal of Mechanical Sciences*, **2017**, 131-132, 81-94	5.5	34
68	Asymptotic solutions of coupled equations of supercritically axially moving beam. *Nonlinear Dynamics*, **2017**, 87, 25-36	5	4
67	The transmissibility of nonlinear energy sink based on nonlinear output frequency-response functions. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 44, 184-192	3.7	21
66	Primary resonance of traveling viscoelastic beam under internal resonance. *Applied Mathematics and Mechanics (English Edition)*, **2017**, 38, 1-14	3.2	50
65	Equilibrium bifurcation of high-speed axially moving Timoshenko beams. *Acta Mechanica*, **2016**, 227, 3001-3014	2.1	17
64	Super-harmonic resonance and multi-frequency responses of a super-critical translating beam. *Journal of Sound and Vibration*, **2016**, 385, 267-283	3.9	19
63	The Characteristics of Vibration Isolation System with Damping and Stiffness Geometrically Nonlinear. *Journal of Physics: Conference Series*, **2016**, 744, 012115	0.3	1
62	Periodic response of an axially high-speed moving beam under 3:1 internal resonance. *Journal of Physics: Conference Series*, **2016**, 744, 012117	0.3	0
61	Steady-state responses of a belt-drive dynamical system under dual excitations. *Acta Mechanica Sinica/Lixue Xuebao*, **2016**, 32, 156-169	2	18
60	Stochastic resonance in a nonlinear mechanical vibration isolation system. *Journal of Sound and Vibration*, **2016**, 370, 221-229	3.9	33
59	Steady-state response of a fluid-conveying pipe with 3:1 internal resonance in supercritical regime. *Nonlinear Dynamics*, **2016**, 86, 795-809	5	40

58	Internal resonance in axially loaded beam energy harvesters with an oscillator to enhance the bandwidth. *Nonlinear Dynamics*, **2016**, 85, 2507-2520	5	46
57	Synchronization of spatiotemporal networks via backstepping using neighbor information. *International Journal of Modern Physics C*, **2016**, 27, 1650129	1.1	1
56	Broadband performance of a piezoelectric energy harvester based on the internal resonance of buckled beam **2016**,		2
55	Parametric resonance of a translating beam with pulsating axial speed in the super-critical regime. *Mechanics Research Communications*, **2016**, 76, 72-77	2.2	12
54	Periodic responses of a pulley–belt system with one-way clutch under inertia excitation. *Journal of Sound and Vibration*, **2015**, 353, 308-326	3.9	31
53	Internal resonance in forced vibration of coupled cantilevers subjected to magnetic interaction. *Journal of Sound and Vibration*, **2015**, 354, 196-218	3.9	42
52	Nonlinear dynamics of axially moving viscoelastic Timoshenko beam under parametric and external excitations. *Applied Mathematics and Mechanics (English Edition)*, **2015**, 36, 971-984	3.2	38
51	Vibration of vehicle–pavement coupled system based on a Timoshenko beam on a nonlinear foundation. *Journal of Sound and Vibration*, **2014**, 333, 6623-6636	3.9	40
50	Adomian polynomials for nonlinear response of supported timoshenko beams subjected to a moving harmonic load. *Acta Mechanica Solida Sinica*, **2014**, 27, 383-393	2	13
49	Periodic responses and chaotic behaviors of an axially accelerating viscoelastic Timoshenko beam. *Nonlinear Dynamics*, **2014**, 78, 1577-1591	5	31
48	Chaotic Dynamics of an Axially Accelerating Viscoelastic Beam in the Supercritical Regime. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2014**, 24, 1450062	2	32
47	FORCED VIBRATION OF TIP-MASSED CANTILEVER WITH NONLINEAR MAGNETIC INTERACTIONS. *International Journal of Applied Mechanics*, **2014**, 06, 1450015	2.4	12
46	Nonlinear Forced Vibration of a Viscoelastic Buckled Beam with 2 : 1 Internal Resonance. *Mathematical Problems in Engineering*, **2014**, 2014, 1-14	1.1	5
45	Static and dynamic behaviors of belt-drive dynamic systems with a one-way clutch. *Nonlinear Dynamics*, **2014**, 78, 1553-1575	5	32
44	Steady-State Responses of Pulley-Belt Systems With a One-Way Clutch and Belt Bending Stiffness. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2014**, 136,	1.6	50
43	Evolution of the double-jumping in pipes conveying fluid flowing at the supercritical speed. *International Journal of Non-Linear Mechanics*, **2014**, 58, 11-21	2.8	59
42	Dynamic response to a moving load of a Timoshenko beam resting on a nonlinear viscoelastic foundation. *Acta Mechanica Sinica/Lixue Xuebao*, **2013**, 29, 718-727	2	34
41	Effect of one-way clutch on the nonlinear vibration of belt-drive systems with a continuous belt model. *Journal of Sound and Vibration*, **2013**, 332, 6472-6487	3.9	33

40	Dynamic response of an infinite Timoshenko beam on a nonlinear viscoelastic foundation to a moving load. *Nonlinear Dynamics*, **2013**, 73, 285-298	5	34
39	PERIODIC AND CHAOTIC RESPONSES OF AN AXIALLY ACCELERATING VISCOELASTIC BEAM UNDER TWO-FREQUENCY EXCITATIONS. *International Journal of Applied Mechanics*, **2013**, 05, 1350019	2.4	28
38	Chaotic dynamics in the forced nonlinear vibration of an axially accelerating viscoelastic beam. *Wuli Xuebao/Acta Physica Sinica*, **2013**, 62, 200502	0.6	2
37	Galerkin method for steady-state response of nonlinear forced vibration of axially moving beams at supercritical speeds. *Journal of Sound and Vibration*, **2012**, 331, 1612-1623	3.9	36
36	Convergence of Galerkin truncation for dynamic response of finite beams on nonlinear foundations under a moving load. *Journal of Sound and Vibration*, **2012**, 331, 2426-2442	3.9	85
35	Supercritical forced response of coupled motion of a nonlinear transporting beam. *Nonlinear Dynamics*, **2012**, 70, 2407-2420	5	5
34	Supercritical vibration of nonlinear coupled moving beams based on discrete Fourier transform. *International Journal of Non-Linear Mechanics*, **2012**, 47, 1095-1104	2.8	15
33	Principal Parametric Resonance of Axially Accelerating Viscoelastic Beams: Multi-Scale Analysis and Differential Quadrature Verification. *Shock and Vibration*, **2012**, 19, 527-543	1.1	13
32	Forced Vibrations of Supercritically Transporting Viscoelastic Beams. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2012**, 134,	1.6	58
31	Nonlinear Frequencies for Transverse Oscillations of Axially Moving Beams: Comparison of Two Models. *Communications in Computer and Information Science*, **2011**, 526-533	0.3	1
30	Nonlinear Models for Transverse Forced Vibration of Axially Moving Viscoelastic Beams. *Shock and Vibration*, **2011**, 18, 281-287	1.1	10
29	Natural frequencies of nonlinear vibration of axially moving beams. *Nonlinear Dynamics*, **2011**, 63, 125-134	5	37
28	Equilibria of axially moving beams in the supercritical regime. *Archive of Applied Mechanics*, **2011**, 81, 51-64	2.2	14
27	Approximate and numerical analysis of nonlinear forced vibration of axially moving viscoelastic beams. *Acta Mechanica Sinica/Lixue Xuebao*, **2011**, 27, 426-437	2	25
26	Nonlinear Frequencies for Transverse Free Oscillations of a Transporting Tensioned Beam. *Advanced Engineering Forum*, **2011**, 2-3, 807-816	0.2	1
25	Supercritical equilibrium solutions of axially moving beams with hybrid boundary conditions. *Mechanics Research Communications*, **2011**, 38, 52-56	2.2	32
24	Preparation of Hydrolyzed ZnO/Zn Hybrid Nanostructure with Zn Nanopaticle and its Photocatalytic Performance. *Advanced Materials Research*, **2010**, 129-131, 631-635	0.5	
23	Steady-State Transverse Response in Coupled Planar Vibration of Axially Moving Viscoelastic Beams. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2010**, 132,	1.6	56

22	Nonlinear combination parametric resonance of axially accelerating viscoelastic strings constituted by the standard linear solid model. *Science China Technological Sciences*, **2010**, 53, 645-655	3.5	3
21	Galerkin methods for natural frequencies of high-speed axially moving beams. *Journal of Sound and Vibration*, **2010**, 329, 3484-3494	3.9	110
20	Nonlinear parametric vibration of axially moving beams: Asymptotic analysis and differential quadrature verification. *Journal of Physics: Conference Series*, **2009**, 181, 012008	0.3	1
19	On two transverse nonlinear models of axially moving beams. *Science in China Series D: Earth Sciences*, **2009**, 52, 743-751		17
18	Asymptotic analysis of a vibrating cantilever with a nonlinear boundary **2009**, 52, 1414-1422		5
17	Nonlinear dynamics of axially accelerating viscoelastic beams based on differential quadrature. *Acta Mechanica Solida Sinica*, **2009**, 22, 267-275	2	26
16	On Galerkin Discretization of Axially Moving Nonlinear Strings. *Acta Mechanica Solida Sinica*, **2009**, 22, 369-376	2	14
15	Steady-state responses of axially accelerating viscoelastic beams: Approximate analysis and numerical confirmation **2008**, 51, 1707-1721		13
14	Energetics and conserved quantity of an axially moving string undergoing three-dimensional nonlinear vibration. *Acta Mechanica Sinica/Lixue Xuebao*, **2008**, 24, 215-221	2	6
13	Two nonlinear models of a transversely vibrating string. *Archive of Applied Mechanics*, **2008**, 78, 321-328	2.2	20
12	Stability of axially accelerating viscoelastic beams: multi-scale analysis with numerical confirmations. *European Journal of Mechanics, A/Solids*, **2008**, 27, 1108-1120	3.7	42
11	A nonlinear vibration isolator supported on a flexible plate: analysis and experiment. *Nonlinear Dynamics*,1	5	12
10	Performance evaluation and design criterion of a bistable nonlinear energy sink		2
9	Nonlinear singular traveling waves in a slightly compressible thermo-hyperelastic cylindrical shell. *Nonlinear Dynamics*,1	5	1
8	A base excited mixed-connected inerter-based quasi-zero stiffness vibration isolator with mistuned load. *Mechanics of Advanced Materials and Structures*,1-19	1.8	4
7	Micro-amplitude vibration suppression of a bistable nonlinear energy sink constructed by a buckling beam. *Nonlinear Dynamics*,1	5	0
6	Free Vibration Analysis and Numerical Simulation of Slightly Curved Pipe Conveying Fluid Based on Timoshenko Beam Theory. *International Journal of Applied Mechanics*,	2.4	1
5	Natural Frequencies, Critical Velocity and Equilibriums of Fixed□ixed Timoshenko Pipes Conveying Fluid. *Journal of Vibration Engineering and Technologies*,1	2	0

4	Energy Transfer of an Axially Loaded Beam with a Parallel-Coupled Nonlinear Vibration Isolator. *Journal of Vibration and Acoustics, Transactions of the ASME*,1-31	1.6	3
3	Global vibration control of nonlinear energy sinks. *JVC/Journal of Vibration and Control*,107754632210803	2	0
2	Identification of forced time-varying systems via intrinsic chirp component decomposition. *JVC/Journal of Vibration and Control*,107754632210931	2	
1	Nonlinear forced vibrations of a slightly curved pipe conveying supercritical fluid. *JVC/Journal of Vibration and Control*,107754632211020	2	0