Li-Qun Chen

List of Publications by Year
in descending order

376 papers	11,463 citations	31902 53 h-index	74018 75 g-index
386 all docs	386 docs citations	386 times ranked	2672 citing authors

#	Article	IF	Citations
1	Analysis and Control of Transverse Vibrations of Axially Moving Strings. Applied Mechanics Reviews, 2005, 58, 91-116.	4.5	263
2	Designs, analysis, and applications of nonlinear energy sinks. Nonlinear Dynamics, 2020, 100, 3061-3107.	2.7	230
3	Internal Resonance Energy Harvesting. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	1.1	186
4	Nonlinear vibration isolation for fluid-conveying pipes using quasi-zero stiffness characteristics. Mechanical Systems and Signal Processing, 2019, 121, 675-688.	4.4	176
5	Steady-state response of axially moving viscoelastic beams with pulsating speed: comparison of two nonlinear models. International Journal of Solids and Structures, 2005, 42, 37-50.	1.3	147
6	Galerkin methods for natural frequencies of high-speed axially moving beams. Journal of Sound and Vibration, 2010, 329, 3484-3494.	2.1	132
7	Integration of a nonlinear energy sink and a giant magnetostrictive energy harvester. Journal of Sound and Vibration, 2017, 391, 35-49.	2.1	129
8	Nonlinear energy sink with inerter. Mechanical Systems and Signal Processing, 2019, 125, 52-64.	4.4	124
9	A Broadband Internally Resonant Vibratory Energy Harvester. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	119
10	A dual-functional metamaterial for integrated vibration isolation and energy harvesting. Journal of Sound and Vibration, 2021, 509, 116251.	2.1	117
11	Nonlinear vibration isolation via a circular ring. Mechanical Systems and Signal Processing, 2020, 136, 106490.	4.4	114
12	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.	2.1	113
13	Nonlinear Energy Sink for Whole-Spacecraft Vibration Reduction. Journal of Vibration and Acoustics, Transactions of the ASME, 2017, 139, .	1.0	103
14	Vibration isolation and energy harvesting integrated in a Stewart platform with high static and low dynamic stiffness. Applied Mathematical Modelling, 2021, 89, 249-267.	2.2	102
15	A bio-inspired isolator based on characteristics of quasi-zero stiffness and bird multi-layer neck. Mechanical Systems and Signal Processing, 2020, 145, 106967.	4.4	100
16	A lever-type nonlinear energy sink. Journal of Sound and Vibration, 2018, 437, 119-134.	2.1	99
17	A nonlinear vibration isolator supported on a flexible plate: analysis and experiment. Nonlinear Dynamics, 2022, 108, 941-958.	2.7	98
18	Nonlinear vibration of a slightly curved beam with quasi-zero-stiffness isolators. Nonlinear Dynamics, 2019, 95, 2367-2382.	2.7	97

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19	Stability in parametric resonance of axially moving viscoelastic beams with time-dependent speed. Journal of Sound and Vibration, 2005, 284, 879-891.	2.1	96
20	Bifurcation and chaos of an axially accelerating viscoelastic beam. Chaos, Solitons and Fractals, 2005, 23, 249-258.	2.5	89
21	Elimination of multimode resonances of composite plate by inertial nonlinear energy sinks. Mechanical Systems and Signal Processing, 2020, 135, 106383.	4.4	89
22	Experimental Investigation of a Two-Stage Nonlinear Vibration Isolation System With High-Static-Low-Dynamic Stiffness. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	1.1	88
23	An inertial nonlinear energy sink. Journal of Sound and Vibration, 2019, 450, 199-213.	2.1	86
24	Vibration and stability of an axially moving viscoelastic beam with hybrid supports. European Journal of Mechanics, A/Solids, 2006, 25, 996-1008.	2.1	80
25	Evolution of the double-jumping in pipes conveying fluid flowing at the supercritical speed. International Journal of Non-Linear Mechanics, 2014, 58, 11-21.	1.4	79
26	Impulse-induced vibration suppression of an axially moving beam with parallel nonlinear energy sinks. Nonlinear Dynamics, 2015, 82, 61-71.	2.7	77
27	On the transmissibilities of nonlinear vibration isolation system. Journal of Sound and Vibration, 2016, 375, 28-37.	2.1	74
28	The evaluation of a nonlinear energy sink absorber based on the transmissibility. Mechanical Systems and Signal Processing, 2019, 125, 99-122.	4.4	72
29	Dynamical analysis of axially moving plate by finite difference method. Nonlinear Dynamics, 2012, 67, 997-1006.	2.7	71
30	Vibration suppression of an elastic beam with boundary inerter-enhanced nonlinear energy sinks. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 387-401.	1.5	70
31	Numerical and experimental investigation on stochastic dynamic load of a heavy duty vehicle. Applied Mathematical Modelling, 2010, 34, 2698-2710.	2.2	69
32	Dynamic stability in parametric resonance of axially accelerating viscoelastic Timoshenko beams. Journal of Sound and Vibration, 2010, 329, 547-565.	2.1	68
33	Vibration suppression of composite laminated plate with nonlinear energy sink. Acta Astronautica, 2016, 123, 109-115.	1.7	68
34	Dynamic stability of an axially accelerating viscoelastic beam. European Journal of Mechanics, A/Solids, 2004, 23, 659-666.	2.1	67
35	Nonlinear isolation of transverse vibration of pre-pressure beams. Journal of Sound and Vibration, 2019, 442, 738-751.	2.1	67
36	Reducing thermal shock-induced vibration of an axially moving beam via a nonlinear energy sink. Nonlinear Dynamics, 2017, 87, 1159-1167.	2.7	66

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37	Steady-State Transverse Response in Coupled Planar Vibration of Axially Moving Viscoelastic Beams. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.0	65
38	High-static-low-dynamic-stiffness vibration isolation enhanced by damping nonlinearity. Science China Technological Sciences, 2019, 62, 1103-1110.	2.0	65
39	Snap-through piezoelectric energy harvesting. Journal of Sound and Vibration, 2014, 333, 4314-4325.	2.1	64
40	Non-Noether symmetries and conserved quantities of nonconservative dynamical systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 255-259.	0.9	63
41	Forced Vibrations of Supercritically Transporting Viscoelastic Beams. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.0	62
42	Combination and principal parametric resonances of axially accelerating viscoelastic beams: Recognition of longitudinally varying tensions. Journal of Sound and Vibration, 2011, 330, 5598-5614.	2.1	61
43	Vibration around non-trivial equilibrium of a supercritical Timoshenko pipe conveying fluid. Journal of Sound and Vibration, 2018, 428, 104-118.	2.1	61
44	Nonlinear vibrations of a slightly curved beam with nonlinear boundary conditions. International Journal of Mechanical Sciences, 2020, 168, 105294.	3.6	61
45	Internal resonance in axially loaded beam energy harvesters with an oscillator to enhance the bandwidth. Nonlinear Dynamics, 2016, 85, 2507-2520.	2.7	60
46	Complex dynamics of a harmonically excited structure coupled with a nonlinear energy sink. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 801-822.	1.5	60
47	The regular and chaotic vibrations of an axially moving viscoelastic string based on fourth order Galerkin truncaton. Journal of Sound and Vibration, 2003, 261, 764-773.	2.1	59
48	Steady-state response of a fluid-conveying pipe with 3:1 internal resonance in supercritical regime. Nonlinear Dynamics, 2016, 86, 795-809.	2.7	59
49	Primary resonance of traveling viscoelastic beam under internal resonance. Applied Mathematics and Mechanics (English Edition), 2017, 38, 1-14.	1.9	59
50	Transient responses of an axially accelerating viscoelastic string constituted by a fractional differentiation law. Journal of Sound and Vibration, 2004, 278, 861-871.	2.1	58
51	Vibrations and Stability of an Axially Moving Rectangular Composite Plate. Journal of Applied Mechanics, Transactions ASME, 2011, 78, .	1.1	55
52	New Variable Separation Excitations of a (2+1)-Dimensional Broer-Kaup-Kupershmidt System Obtained by an Extended Mapping Approach. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 912-918.	0.7	54
53	Solvability condition in multi-scale analysis of gyroscopic continua. Journal of Sound and Vibration, 2008, 309, 338-342.	2.1	54
54	External and internal resonances of the pipe conveying fluid in the supercritical regime. Journal of Sound and Vibration, 2013, 332, 2318-2337.	2.1	54

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55	Vibration of vehicleâ€“pavement coupled system based on a Timoshenko beam on a nonlinear foundation. Journal of Sound and Vibration, 2014, 333, 6623-6636.	2.1	54
56	Integration of a nonlinear energy sink and a piezoelectric energy harvester. Applied Mathematics and Mechanics (English Edition), 2017, 38, 1019-1030.	1.9	54
57	Internal resonance of pipes conveying fluid in the supercritical regime. Nonlinear Dynamics, 2012, 67, 1505-1514.	2.7	53
58	Nonlinear frequencies and forced responses of pipes conveying fluid via a coupled Timoshenko model. Journal of Sound and Vibration, 2019, 455, 241-255.	2.1	53
59	Stochastic averaging of energy harvesting systems. International Journal of Non-Linear Mechanics, 2016, 85, 174-187.	1.4	52
60	Natural frequencies, modes and critical speeds of axially moving Timoshenko beams with different boundary conditions. International Journal of Mechanical Sciences, 2008, 50, 1448-1458.	3.6	51
61	Internal resonance in forced vibration of coupled cantilevers subjected to magnetic interaction. Journal of Sound and Vibration, 2015, 354, 196-218.	2.1	51
62	A lever-enhanced nonlinear energy sink absorber harvesting vibratory energy via giant magnetostrictive-piezoelectricity. Communications in Nonlinear Science and Numerical Simulation, 2021, 95, 105620.	1.7	51
63	Stability of axially accelerating viscoelastic beams: multi-scale analysis with numerical confirmations. European Journal of Mechanics, A/Solids, 2008, 27, 1108-1120.	2.1	49
64	Nonlinear dynamics of axially moving viscoelastic Timoshenko beam under parametric and external excitations. Applied Mathematics and Mechanics (English Edition), 2015, 36, 971-984.	1.9	49
65	Two-span piezoelectric beam energy harvesting. International Journal of Mechanical Sciences, 2020, 175, 105532.	3.6	49
66	Nonlinear free transverse vibration of an axially moving beam: Comparison of two models. Journal of Sound and Vibration, 2007, 299, 348-354.	2.1	48
67	Dynamic stability of axially accelerating Timoshenko beam: Averaging method. European Journal of Mechanics, A/Solids, 2010, 29, 81-90.	2.1	48
68	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.	2.1	48
69	Forced vibration of axially moving beam with internal resonance in the supercritical regime. International Journal of Mechanical Sciences, 2017, 131-132, 81-94.	3.6	48
70	Asymptotic stability analysis with numerical confirmation of an axially accelerating beam constituted by the standard linear solid model. Journal of Sound and Vibration, 2009, 328, 456-466.	2.1	47
71	Nonlinear energy sink for a flywheel system vibration reduction. Journal of Sound and Vibration, 2018, 429, 305-324.	2.1	47
72	Perturbation of symmetries of rotational relativistic Birkhoffian systems and its inverse problem. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 324, 95-103.	0.9	46

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73	Chaotic attitude motion of a magnetic rigid spacecraft and its control. International Journal of Non-Linear Mechanics, 2002, 37, 493-504.	1.4	45
74	Transverse nonlinear dynamics of axially accelerating viscoelastic beams based on 4-term Galerkin truncation. Chaos, Solitons and Fractals, 2006, 27, 748-757.	2.5	45
75	Natural frequencies of nonlinear vibration of axially moving beams. Nonlinear Dynamics, 2011, 63, 125-134.	2.7	45
76	A piezoelectric energy harvester based on internal resonance. Acta Mechanica Sinica/Lixue Xuebao, 2015, 31, 223-228.	1.5	45
77	Nonlinear vibration of a traveling belt with non-homogeneous boundaries. Journal of Sound and Vibration, 2018, 424, 78-93.	2.1	45
78	Resonance response interaction without internal resonance in vibratory energy harvesting. Mechanical Systems and Signal Processing, 2019, 121, 767-776.	4.4	45
79	A harmonic balance approach with alternating frequency/time domain progress for piezoelectric mechanical systems. Mechanical Systems and Signal Processing, 2019, 120, 274-289.	4.4	45
80	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.	1.9	45
81	Simulations of transverse vibrations of an axially moving string: a modified difference approach. Applied Mathematics and Computation, 2005, 166, 596-607.	1.4	44
82	Vibration of Flexible Structures Under Nonlinear Boundary Conditions. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	1.1	44
83	Rotational nonlinear double-beam energy harvesting. Smart Materials and Structures, 2022, 31, 025020.	1.8	44
84	Solitons with fission and fusion behaviors in a variable coefficient Broerâ€“Kaup system. Chaos, Solitons and Fractals, 2005, 24, 1347-1351.	2.5	43
85	Nonlinear vibration effects on the fatigue life of fluid-conveying pipes composed of axially functionally graded materials. Nonlinear Dynamics, 2020, 100, 1091-1104.	2.7	43
86	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.	1.5	42
87	Nonlinear transverse vibration of axially accelerating strings with exact internal resonances and longitudinally varying tensions. Nonlinear Dynamics, 2014, 76, 1443-1468.	2.7	42
88	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.	1.5	42
89	Attitude control of a rigid spacecraft with two momentum wheel actuators using genetic algorithm. Acta Astronautica, 2004, 55, 3-8.	1.7	41
90	Semifolded Localized Coherent Structures in General (2+1)-dimensional Korteweg de Vries System*. Journal of the Physical Society of Japan, 2004, 73, 293-295.	0.7	41

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91	Parametric resonance of axially moving Timoshenko beams with time-dependent speed. Nonlinear Dynamics, 2009, 58, 715-724.	2.7	41
92	Dynamics of Vehicle-Road Coupled System. , 2015, , .		41
93	Stochastic resonance in a nonlinear mechanical vibration isolation system. Journal of Sound and Vibration, 2016, 370, 221-229.	2.1	41
94	Nonlinear vibration isolation of a viscoelastic beam. Nonlinear Dynamics, 2018, 92, 325-349.	2.7	41
95	Nonlinear dynamics of a circular piezoelectric plate for vibratory energy harvesting. Communications in Nonlinear Science and Numerical Simulation, 2018, 59, 651-656.	1.7	41
96	Non-trivial equilibriums and natural frequencies of a slightly curved pipe conveying supercritical fluid. Ocean Engineering, 2021, 227, 108899.	1.9	41
97	Energy Transfer of an Axially Loaded Beam With a Parallel-Coupled Nonlinear Vibration Isolator. Journal of Vibration and Acoustics, Transactions of the ASME, 2022, 144, .	1.0	41
98	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, .	1.0	40
99	Energy harvesting via nonlinear energy sink for whole-spacecraft. Science China Technological Sciences, 2019, 62, 1483-1491.	2.0	40
100	Second order adjoint sensitivity analysis of multibody systems described by differentialâ€“algebraic equations. Multibody System Dynamics, 2007, 18, 599-617.	1.7	39
101	Asymptotic analysis of axially accelerating viscoelastic strings. International Journal of Engineering Science, 2008, 46, 976-985.	2.7	39
102	Noether symmetries of discrete nonholonomic dynamical systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 409-412.	0.9	39
103	Stability analysis and numerical confirmation in parametric resonance of axially moving viscoelastic plates with time-dependent speed. European Journal of Mechanics, A/Solids, 2013, 37, 106-121.	2.1	39
104	Dynamic response of an infinite Timoshenko beam on a nonlinear viscoelastic foundation to a moving load. Nonlinear Dynamics, 2013, 73, 285-298.	2.7	39
105	A multifunctional lattice sandwich structure with energy harvesting and nonlinear vibration control. Composite Structures, 2019, 221, 110875.	3.1	39
106	A dynamic reconfigurable nonlinear energy sink. Journal of Sound and Vibration, 2021, 494, 115629.	2.1	39
107	Bifurcation and chaos of an axially moving viscoelastic string. Mechanics Research Communications, 2002, 29, 81-90.	1.0	38
108	New Family of Exact Solutions and Chaotic Soltions of Generalized Breorâ€“Kaup System in (2+1)-Dimensions via an Extended Mapping Approach. Communications in Theoretical Physics, 2005, 44, 203-208.	1.1	38

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109	Eulerâ€“Lagrange equation from nonlocal-in-time kinetic energy of nonconservative system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 374, 106-109.	0.9	38
110	Forced vibration control of an axially moving beam with an attached nonlinear energy sink. Acta Mechanica Solida Sinica, 2017, 30, 674-682.	1.0	38
111	Integrated vibration isolation and energy harvesting via a bistable piezo-composite plate. JVC/Journal of Vibration and Control, 2020, 26, 779-789.	1.5	38
112	Exact solution and semifolded structures of generalized Broerâ€“Kaup system in (2+1)-dimensions. Chaos, Solitons and Fractals, 2005, 26, 187-194.	2.5	37
113	Nonlinear vibrations of axially moving Timoshenko beams under weak and strong external excitations. Journal of Sound and Vibration, 2009, 320, 1078-1099.	2.1	37
114	An equivalent linearization technique for nonlinear piezoelectric energy harvesters under Gaussian white noise. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2897-2904.	1.7	37
115	Periodic responses and chaotic behaviors of an axially accelerating viscoelastic Timoshenko beam. Nonlinear Dynamics, 2014, 78, 1577-1591.	2.7	37
116	Dynamic effects of weights on vibration reduction by a nonlinear energy sink moving vertically. Journal of Sound and Vibration, 2019, 451, 99-119.	2.1	37
117	New variable separation excitations of (2+1)-dimensional dispersive long-water wave system obtained by an extended mapping approach. Chaos, Solitons and Fractals, 2005, 23, 1741-1748.	2.5	36
118	Nonlinear vibration absorption of laminated composite beams in complex environment. Nonlinear Dynamics, 2020, 99, 2605-2622.	2.7	36
119	Stability of axially accelerating viscoelastic beams: asymptotic perturbation analysis and differential quadrature validation. European Journal of Mechanics, A/Solids, 2009, 28, 786-791.	2.1	35
120	Nonlinear free transverse vibrations of in-plane moving plates: Without and with internal resonances. Journal of Sound and Vibration, 2011, 330, 110-126.	2.1	35
121	Lie symmetries and conserved quantities of controllable nonholonomic dynamical systems. Chinese Physics B, 2003, 12, 695-699.	1.3	34
122	Nonlinear dynamical analysis of axially moving viscoelastic strings. Chaos, Solitons and Fractals, 2005, 24, 1065-1074.	2.5	34
123	Non-Noether symmetries and Lutzky conserved quantities for mechanico-electrical systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 5-10.	0.9	34
124	Energy harvesting of monostable Duffing oscillator under Gaussian white noise excitation. Mechanics Research Communications, 2013, 53, 85-91.	1.0	34
125	The transmissibility of nonlinear energy sink based on nonlinear output frequency-response functions. Communications in Nonlinear Science and Numerical Simulation, 2017, 44, 184-192.	1.7	34
126	A suspension system with quasi-zero stiffness characteristics and inerter nonlinear energy sink. JVC/Journal of Vibration and Control, 2022, 28, 143-158.	1.5	34

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127	Suppression of multiple modal resonances of a cantilever beam by an impact damper. Applied Mathematics and Mechanics (English Edition), 2020, 41, 383-400.	1.9	34
128	Critical velocity and supercritical natural frequencies of fluid-conveying pipes with retaining clips. International Journal of Mechanical Sciences, 2022, 222, 107254.	3.6	34
129	Parametric Stability of Axially Accelerating Viscoelastic Beams With the Recognition of Longitudinally Varying Tensions. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.0	33
130	Stability of axially accelerating viscoelastic Timoshenko beams: Recognition of longitudinally varying tensions. Mechanism and Machine Theory, 2013, 62, 31-50.	2.7	33
131	Internal resonance of a supercritically axially moving beam subjected to the pulsating speed. Nonlinear Dynamics, 2019, 95, 631-651.	2.7	33
132	Improving energy harvesting by internal resonance in a spring-pendulum system. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 618-623.	1.5	33
133	Dynamic analysis of uncertain spur gear systems. Mechanical Systems and Signal Processing, 2021, 150, 107280.	4.4	33
134	Nonlinear dynamics of axially accelerating viscoelastic beams based on differential quadrature. Acta Mechanica Solida Sinica, 2009, 22, 267-275.	1.0	32
135	Nonlinear energy harvesting based on a modified snap-through mechanism. Applied Mathematics and Mechanics (English Edition), 2019, 40, 167-180.	1.9	32
136	Saturation and stability in internal resonance of a rotating blade under thermal gradient. Journal of Sound and Vibration, 2019, 440, 34-50.	2.1	32
137	Averaging analysis on a semi-active inerterâ€“based suspension system with relative-accelerationâ€“relative-velocity control. JVC/Journal of Vibration and Control, 2020, 26, 1199-1215.	1.5	32
138	A ring vibration isolator enhanced by a nonlinear energy sink. Journal of Sound and Vibration, 2021, 508, 116201.	2.1	32
139	Form invariance, Noether symmetry and Lie symmetry of Hamiltonian systems in phase space. Mechanics Research Communications, 2004, 31, 9-19.	1.0	31
140	The Unified Form of Hojman's Conservation Law and Lutzky's Conservation Law. Journal of the Physical Society of Japan, 2005, 74, 905-909.	0.7	31
141	Non-linear forced vibration of axially moving viscoelastic beams. Acta Mechanica Solida Sinica, 2006, 19, 365-373.	1.0	31
142	Frequency-preserved non-reciprocal acoustic propagation in a granular chain. Applied Physics Letters, 2018, 112, .	1.5	31
143	Experimental characteristics and coupled nonlinear forced vibrations of axially travelling hyperelastic beams. Thin-Walled Structures, 2022, 170, 108526.	2.7	31
144	Asymptotic Nonlinear Behaviors in Transverse Vibration of an Axially Accelerating Viscoelastic String. Nonlinear Dynamics, 2004, 35, 347-360.	2.7	30

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145	Stochastic averaging based on generalized harmonic functions for energy harvesting systems. Journal of Sound and Vibration, 2016, 377, 264-283.	2.1	30
146	Nonlinear characteristic of a circular composite plate energy harvester: experiments and simulations. Nonlinear Dynamics, 2017, 90, 2495-2506.	2.7	30
147	Dynamic design of a nonlinear energy sink with NiTiNOL-steel wire ropes based on nonlinear output frequency response functions. Applied Mathematics and Mechanics (English Edition), 2019, 40, 1791-1804.	1.9	30
148	Bursting vibration-based energy harvesting. Nonlinear Dynamics, 2020, 100, 3043-3060.	2.7	30
149	On Noether symmetries and form invariance of mechanico-electrical systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 138-152.	0.9	29
150	Nonlinear dynamics for transverse motion of axially moving strings. Chaos, Solitons and Fractals, 2009, 40, 78-90.	2.5	29
151	Primary and super-harmonic resonances of Timoshenko pipes conveying high-speed fluid. Ocean Engineering, 2020, 203, 107258.	1.9	29
152	Performance evaluation and design criterion of a nonlinear energy sink. Mechanical Systems and Signal Processing, 2022, 169, 108770.	4.4	29
153	An open-plus-closed-loop control for discrete chaos and hyperchaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 327-333.	0.9	28
154	Principal parametric resonance of axially accelerating viscoelastic strings with an integral constitutive law. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2005, 461, 2701-2720.	1.0	28
155	On two transverse nonlinear models of axially moving beams. Science in China Series D: Earth Sciences, 2009, 52, 743-751.	0.9	28
156	Approximate and numerical analysis of nonlinear forced vibration of axially moving viscoelastic beams. Acta Mechanica Sinica/Lixue Xuebao, 2011, 27, 426-437.	1.5	28
157	Nonlinear vibration analysis of a circular composite plate harvester via harmonic balance. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 912-925.	1.5	28
158	Integration of vibration control and energy harvesting for whole-spacecraft: Experiments and theory. Mechanical Systems and Signal Processing, 2021, 161, 107956.	4.4	28
159	Transverse vibrations of an axially accelerating viscoelastic string with geometric nonlinearity. Journal of Engineering Mathematics, 2004, 48, 171-182.	0.6	27
160	The chaotic response of the viscoelastic traveling string: an integral constitutive law. Chaos, Solitons and Fractals, 2004, 21, 349-357.	2.5	27
161	An approximate method for pipes conveying fluid with strong boundaries. Journal of Sound and Vibration, 2021, 505, 116157.	2.1	27
162	Micro-amplitude vibration suppression of a bistable nonlinear energy sink constructed by a buckling beam. Nonlinear Dynamics, 2022, 108, 3185-3207.	2.7	27

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163	A conserved quantity and the stability of axially moving nonlinear beams. Journal of Sound and Vibration, 2005, 286, 663-668.	2.1	26
164	A numerical method for simulating transverse vibrations of an axially moving string. Applied Mathematics and Computation, 2005, 160, 411-422.	1.4	26
165	Stability in parametric resonance of axially accelerating beams constituted by Boltzmann's superposition principle. Journal of Sound and Vibration, 2006, 289, 54-65.	2.1	26
166	Parametric and internal resonances of in-plane accelerating viscoelastic plates. Acta Mechanica, 2012, 223, 415-431.	1.1	26
167	Vibration of axially moving hyperelastic beam with finite deformation. Applied Mathematical Modelling, 2019, 71, 269-285.	2.2	26
168	Internal resonance and stress distribution of pipes conveying fluid in supercritical regime. International Journal of Mechanical Sciences, 2020, 186, 105900.	3.6	26
169	Bending vibration control of pipes conveying fluids by nonlinear torsional absorbers at the boundary. Science China Technological Sciences, 2021, 64, 1690-1704.	2.0	26
170	Numerical and experimental evidence of topological interface state in a periodic acoustic black hole. Journal of Sound and Vibration, 2021, 514, 116432.	2.1	26
171	Peakon, compacton and loop excitations with periodic behavior in KdV type models related to SchrÃ¶dinger system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 397-402.	0.9	25
172	Projective lag synchronization of spatiotemporal chaos via active sliding mode control. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3390-3398.	1.7	25
173	Nonlinear vibration of axially accelerating hyperelastic beams. International Journal of Non-Linear Mechanics, 2018, 99, 302-310.	1.4	25
174	Transmissibility of Bending Vibration of an Elastic Beam. Journal of Vibration and Acoustics, Transactions of the ASME, 2018, 140, .	1.0	25
175	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.	1.3	25
176	Nonlinear vibration of a beam with asymmetric elastic supports. Nonlinear Dynamics, 2019, 95, 2543-2554.	2.7	25
177	Nonlinear Torsional Vibration Absorber for Flexible Structures. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	1.1	25
178	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.	1.9	24
179	Super-harmonic resonances of a rotating pre-deformed blade subjected to gas pressure. Nonlinear Dynamics, 2019, 98, 2531-2549.	2.7	24
180	Dynamic effect of internal resonance caused by gravity on the nonlinear vibration of vertical cantilever beams. Journal of Sound and Vibration, 2020, 474, 115265.	2.1	24

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181	Analysis of a bio-inspired vibration isolator with a compliant limb-like structure. Mechanical Systems and Signal Processing, 2022, 179, 109348.	4.4	24
182	Super-harmonic resonance and multi-frequency responses of a super-critical translating beam. Journal of Sound and Vibration, 2016, 385, 267-283.	2.1	23
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