Ying Hui Li

List of Publications by Year
in descending order

57 papers	1,543 citations	257357 24 h-index	315616 38 g-index
57 all docs	57 docs citations	57 times ranked	669 citing authors

#	Article	IF	Citations
1	Vibration characteristics of functionally graded graphene reinforced porous nanocomposite cylindrical shells with spinning motion. Composites Part B: Engineering, 2018, 145, 1-13.	5.9	235
2	Analytical prediction of the impact response of graphene reinforced spinning cylindrical shells under axial and thermal loads. Applied Mathematical Modelling, 2019, 71, 331-348.	2.2	72
3	Nonlinear forced vibration of functionally graded cylindrical thin shells. Thin-Walled Structures, 2014, 78, 26-36.	2.7	70
4	Static and dynamic analysis of the postbuckling of bi-directional functionally graded material microbeams. International Journal of Mechanical Sciences, 2019, 151, 424-443.	3.6	69
5	Harmonic resonances of graphene-reinforced nonlinear cylindrical shells: effects of spinning motion and thermal environment. Nonlinear Dynamics, 2020, 99, 981-1000.	2.7	64
6	Active control of dynamic behaviors of graded graphene reinforced cylindrical shells with piezoelectric actuator/sensor layers. Applied Mathematical Modelling, 2020, 82, 252-270.	2.2	62
7	Free vibration, buckling and dynamic stability of bi-directional FG microbeam with a variable length scale parameter embedded in elastic medium. Applied Mathematical Modelling, 2019, 67, 430-448.	2.2	60
8	Size-dependent post-buckling behaviors of geometrically imperfect microbeams. Mechanics Research Communications, 2018, 88, 25-33.	1.0	56
9	Nonlinear free and forced vibrations of porous functionally graded pipes conveying fluid and resting on nonlinear elastic foundation. Composite Structures, 2020, 252, 112672.	3.1	53
10	Nonlinear resonance behavior of functionally graded cylindrical shells in thermal environments. Composite Structures, 2013, 102, 164-174.	3.1	45
11	Parametric resonance of a FG cylindrical thin shell with periodic rotating angular speeds in thermal environment. Applied Mathematical Modelling, 2018, 59, 393-409.	2.2	44
12	Vibration and symmetric thermal buckling of asymmetric annular sandwich plates with piezoelectric/GPLRC layers rested on foundation. Aerospace Science and Technology, 2021, 110, 106495.	2.5	43
13	Vibration characteristics of a rotating composite laminated cylindrical shell in subsonic air flow and hygrothermal environment. International Journal of Mechanical Sciences, 2019, 150, 356-368.	3.6	41
14	Transverse vibration of viscoelastic sandwich beam with time-dependent axial tension and axially varying moving velocity. Applied Mathematical Modelling, 2014, 38, 2558-2585.	2.2	40
15	Nonlinear forced vibration and stability of an axially moving viscoelastic sandwich beam. International Journal of Mechanical Sciences, 2018, 138-139, 131-145.	3.6	39
16	Flapwise free vibration characteristics of a rotating composite thin-walled beam under aerodynamic force and hygrothermal environment. Composite Structures, 2016, 153, 490-503.	3.1	36
17	Nonlinear dynamics of fluid-conveying composite pipes subjected to time-varying axial tension in sub- and super-critical regimes. Applied Mathematical Modelling, 2022, 101, 632-653.	2.2	34
18	A unified nonlinear analytical solution of bending, buckling and vibration for the temperature-dependent FG rectangular plates subjected to thermal load. Composite Structures, 2017, 159, 689-701.	3.1	33

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19	Flapwise vibration analysis of a rotating composite beam under hygrothermal environment. Composite Structures, 2014, 117, 201-211.	3.1	31
20	Non-linearly parametric resonances of an axially moving viscoelastic sandwich beam with time-dependent velocity. Applied Mathematical Modelling, 2018, 53, 83-105.	2.2	31
21	Nonlinear resonant behaviors of bi-directional functionally graded material microbeams: One-/two-parameter bifurcation analyses. Composite Structures, 2019, 223, 110896.	3.1	29
22	Nonlinear dynamics of a viscoelastic sandwich beam with parametric excitations and internal resonance. Nonlinear Dynamics, 2018, 94, 2575-2612.	2.7	27
23	Dynamic characteristics and stability of pipe-in-pipe system conveying two-phase flow in thermal environment. Applied Ocean Research, 2020, 103, 102333.	1.8	27
24	Stability analysis of cantilever carbon nanotubes subjected to partially distributed tangential force and viscoelastic foundation. Applied Mathematical Modelling, 2019, 73, 190-209.	2.2	25
25	Dynamic stability analysis for rotating pre-twisted FG-CNTRC beams with geometric imperfections restrained by an elastic root in thermal environment. Thin-Walled Structures, 2021, 164, 107902.	2.7	24
26	An analytical formulation for postbuckling and buckling vibration of micro-scale laminated composite beams considering hygrothermal effect. Composite Structures, 2017, 170, 11-25.	3.1	21
27	Flow-induced buckling and post-buckling vibration characteristics of composite pipes in thermal environment. Ocean Engineering, 2022, 243, 110267.	1.9	21
28	Analytical solutions for the coupled thermoelastic vibrations of Timoshenko beams by means of Green×³s functions. International Journal of Mechanical Sciences, 2015, 100, 50-67.	3.6	19
29	Nonlinear primary resonance behaviors of rotating FG-CNTRC beams with geometric imperfections. Aerospace Science and Technology, 2022, 121, 107333.	2.5	19
30	Dynamic characteristics of lag vibration of a wind turbine blade. Acta Mechanica Solida Sinica, 2013, 26, 592-602.	1.0	16
31	Nonlinear internal resonance of functionally graded cylindrical shells using the Hamiltonian dynamics. Acta Mechanica Solida Sinica, 2014, 27, 635-647.	1.0	15
32	Analysis of Coupled Vibration Characteristics of Wind Turbine Blade Based on Green's Functions. Acta Mechanica Solida Sinica, 2016, 29, 620-630.	1.0	15
33	Nonlinear vibration of a deploying laminated Rayleigh beam with a spinning motion in hygrothermal environment. Engineering With Computers, 2021, 37, 3825-3841.	3.5	15
34	Stability and nonlinear vibration analysis of fluid-conveying composite pipes with elastic boundary conditions. Thin-Walled Structures, 2022, 179, 109597.	2.7	15
35	Forced vibration analysis of multi-cracked Timoshenko beam with the inclusion of damping by virtue of Green's functions. Applied Acoustics, 2019, 155, 477-491.	1.7	14
36	Vibration analysis of deploying laminated beams with generalized boundary conditions in hygrothermal environment. Composite Structures, 2019, 207, 665-676.	3.1	12

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37	Buckling of piezoelectric sandwich microplates with arbitrary in-plane BCs rested on foundation: effect of hygro-thermo-electro-elastic field. European Physical Journal Plus, 2020, 135, 1.	1.2	11
38	Free Vibration Analysis for Cracked FGM Beams by Means of a Continuous Beam Model. Shock and Vibration, 2015, 2015, 1-13.	0.3	9
39	A 6-DOF micro-vibration isolation platform based on the quasi-zero-stiffness isolator. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 6019-6035.	1.1	7
40	Lateral Bifurcation Behavior of a Four-Axle Railway Passenger Car. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	1.1	5
41	Closed-form solutions for vibrations of a magneto-electro-elastic beam with variable cross section by means of Green's functions. Journal of Intelligent Material Systems and Structures, 2019, 30, 82-99.	1.4	5
42	Free Vibration, Buckling and Dynamical Stability of Timoshenko Micro/Nano-Beam Supported on Winkler-Pasternak Foundation Under a Follower Axial Load. International Journal of Structural Stability and Dynamics, 2022, 22, .	1.5	5
43	Analysis of Transverse Vibration of Axially Moving Viscoelastic Sandwich Beam with Time-Dependent Velocity. Advanced Materials Research, 0, 338, 487-490.	0.3	4
44	A modified method for elastic properties of nanowires based on surface effect. Nanotechnology, 2020, 31, 355701.	1.3	4
45	Stability and Modal Conversion Phenomenon of Pipe-In-Pipe Structures with Arbitrary Boundary Conditions by Means of Green's Functions. International Journal of Structural Stability and Dynamics, 2022, 22, .	1.5	4
46	The Deflection of Rotating Composite Tapered Beams with an Elastically Restrained Root in Hygrothermal Environment. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 849-859.	0.7	3
47	Analytical solutions of the forced vibration of Timoshenko micro/nano-beam under axial tensions supported on Winkler–Pasternak foundation. European Physical Journal Plus, 2022, 137, 1.	1.2	3
48	Analytical solutions of nonlocal forced vibration of a functionally graded double-nanobeam system interconnected by a viscoelastic layer. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2022, 77, 851-873.	0.7	3
49	Computation Method on Fatigue Life of a Full Composite Wind Turbine Blade. , 2010, , .		2
50	Parametric Instability of a Rotating Axially Loaded FG Cylindrical Thin Shell Under Both Axial Disturbances and Thermal Effects. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 1105-1119.	0.7	2
51	In-Line and Cross-Flow Coupling Vibration Response Characteristics of a Marine Viscoelastic Riser Subjected to Two-Phase Internal Flow. Shock and Vibration, 2021, 2021, 1-27.	0.3	2
52	Linear and nonlinear frequency analyses for the rotating diaphragm of the coupling. Mechanics Based Design of Structures and Machines, 2020, , 1-13.	3.4	1
53	Vibration characteristics and stable region of a parabolic FGM thin-walled beam with axial and spinning motion. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 787-798.	0.7	1
54	Bifurcation and chaos of a shape memory alloy supporter. , 2008, , .		0

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55	Effect of External Magnetic Field on the Flow and Heat Transfer in DC Arc Plasma Torch. Advanced Materials Research, 0, 97-101, 2797-2800.	0.3	0
56	Dynamic Characteristic of Axially Moving Soft Sandwich Beam. Advanced Materials Research, 0, 702, 275-279.	0.3	0
57	Coupled Thermoelastic Vibration of the Axially Moving Sandwich Beam. Applied Mechanics and Materials, 2013, 312, 301-306.	0.2	0