

## List of Publications by Citations

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62

papers

811

citations

16

h-index

23

g-index

63

ext. papers

978

ext. citations

3.7

avg, IF

4.82

L-index

#	Paper	IF	Citations
62	Newton-harmonic balancing approach for accurate solutions to nonlinear cubic-quintic Duffing oscillators. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 852-866	4.5	88
61	Vibrations of graphene nanoplatelet reinforced functionally gradient piezoelectric composite microplate based on nonlocal theory. <i>Composite Structures</i> , <b>2020</b> , 236, 111813	5.3	42
60	A nonlinear multi-stable piezomagnetoelastic harvester array for low-intensity, low-frequency, and broadband vibrations. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 122, 87-102	7.8	37
59	On the nano-structural dependence of nonlocal dynamics and its relationship to the upper limit of nonlocal scale parameter. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 69, 127-141	4.5	34
58	Analytical approximations to nonlinear vibration of an electrostatically actuated microbeam. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2012</b> , 17, 1947-1955	3.7	29
57	DSC ANALYSIS FOR BUCKLING AND VIBRATION OF RECTANGULAR PLATES WITH ELASTICALLY RESTRAINED EDGES AND LINEARLY VARYING IN-PLANE LOADING. <i>International Journal of Structural Stability and Dynamics</i> , <b>2009</b> , 09, 511-531	1.9	28
56	DSC-element method for free vibration analysis of rectangular Mindlin plates. <i>International Journal of Mechanical Sciences</i> , <b>2010</b> , 52, 548-560	5.5	27
55	Accurate analytical perturbation approach for large amplitude vibration of functionally graded beams. <i>International Journal of Non-Linear Mechanics</i> , <b>2012</b> , 47, 473-480	2.8	24
54	DSC-Ritz element method for vibration analysis of rectangular Mindlin plates with mixed edge supports. <i>European Journal of Mechanics, A/Solids</i> , <b>2010</b> , 29, 619-628	3.7	23
53	Analytical asymptotic approximations for large amplitude nonlinear free vibration of a dielectric elastomer balloon. <i>Nonlinear Dynamics</i> , <b>2017</b> , 88, 2255-2264	5	21
52	Gap separation effect on thermoacoustic wave generation by heated suspended CNT nano-thin-film. <i>Applied Thermal Engineering</i> , <b>2015</b> , 86, 135-142	5.8	20
51	Accurate approximate analytical solutions for nonlinear free vibration of systems with serial linear and nonlinear stiffness. <i>Journal of Sound and Vibration</i> , <b>2007</b> , 307, 720-736	3.9	18
50	Accurate Higher-Order Analytical Approximate Solutions to Large-Amplitude Oscillating Systems with a General Non-Rational Restoring Force. <i>Nonlinear Dynamics</i> , <b>2005</b> , 42, 267-281	5	18
49	Pinned modes in lossy lattices with local gain and nonlinearity. <i>Physical Review E</i> , <b>2012</b> , 86, 036608	2.4	17
48	Design and performance enhancement of a force-amplified piezoelectric stack energy harvester under pressure fluctuations in hydraulic pipeline systems. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 309, 112031	3.9	16
47	Accurate higher-order analytical approximate solutions to nonconservative nonlinear oscillators and application to van der Pol damped oscillators. <i>International Journal of Mechanical Sciences</i> , <b>2006</b> , 48, 483-492	5.5	16
46	Superelasticity and wrinkles controlled by twisting circular graphene. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2018</b> , 338, 634-656	5.7	15

45	Nonlinear wave propagation in porous materials based on the Biot theory. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 142, 756	2.2	15
44	Application of a generalized SenatorBapat perturbation technique to nonlinear dynamical systems with an irrational restoring force. <i>Computers and Mathematics With Applications</i> , <b>2010</b> , 60, 2078-2086	2.7	15
43	Thermal effect on vibration and buckling analysis of thin isotropic/orthotropic rectangular plates with crack defects. <i>Engineering Structures</i> , <b>2018</b> , 177, 444-458	4.7	15
42	A low-frequency, broadband and tri-hybrid energy harvester with septuple-stable nonlinearity-enhanced mechanical frequency up-conversion mechanism for powering portable electronics. <i>Nano Energy</i> , <b>2019</b> , 64, 103943	17.1	14
41	On Asymptotic Analysis for Large Amplitude Nonlinear Free Vibration of Simply Supported Laminated Plates. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2009</b> , 131,	1.6	14
40	Nonlinear vibration of a two-mass system with nonlinear stiffnesses. <i>Nonlinear Dynamics</i> , <b>2007</b> , 49, 233-249	3.49	14
39	Study on asymptotic analytical solutions using HAM for strongly nonlinear vibrations of a restrained cantilever beam with an intermediate lumped mass. <i>Numerical Algorithms</i> , <b>2011</b> , 58, 293-314	2.1	13
38	Stochastic meshless method for nonlinear vibration analysis of composite plate reinforced with carbon fibers. <i>Aerospace Science and Technology</i> , <b>2020</b> , 105, 105919	4.9	12
37	Interfacial thermal conductance in multilayer graphene/phosphorene heterostructure. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 465301	3	12
36	Analytical analysis for large-amplitude oscillation of a rotational pendulum system. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 217, 6115-6124	2.7	12
35	DSC regularized Dirac-delta method for dynamic analysis of FG graphene platelet-reinforced porous beams on elastic foundation under a moving load. <i>Composite Structures</i> , <b>2021</b> , 255, 112865	5.3	12
34	Thermo-acoustics generated by periodically heated thin line array. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 427, 28-40	3.9	11
33	Exact solutions for oscillators with quadratic damping and mixed-parity nonlinearity. <i>Physica Scripta</i> , <b>2012</b> , 85, 045006	2.6	11
32	A magnetic levitation-based tristable hybrid energy harvester for scavenging energy from low-frequency structural vibration. <i>Engineering Structures</i> , <b>2020</b> , 221, 110789	4.7	11
31	Nonlinear dynamic behavior of single-layer graphene under uniformly distributed loads. <i>Composites Part B: Engineering</i> , <b>2019</b> , 165, 473-490	10	10
30	Application of a modified LindstedtPoincaré method in coupled TDOF systems with quadratic nonlinearity and a constant external excitation. <i>Archive of Applied Mechanics</i> , <b>2009</b> , 79, 411-431	2.2	10
29	Nonlinear Free Vibration of an Elastically-Restrained Beam with a Point Mass via the Newton-Harmonic Balancing Approach. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2009</b> , 10,	1.8	10
28	Suppressing homoclinic chaos for a weak periodically excited non-smooth oscillator. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 1621-1642	5	10

27	A new method for computation of eigenvector derivatives with distinct and repeated eigenvalues in structural dynamic analysis. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 107, 78-92	7.8	8
26	Dynamic Response and Stability Analysis with Newton Harmonic Balance Method for Nonlinear Oscillating Dielectric Elastomer Balloons. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1850152	1.9	8
25	Analytical approximate periodic solutions for two-degree-of-freedom coupled van der Pol-Duffing oscillators by extended homotopy analysis method. <i>Acta Mechanica</i> , <b>2011</b> , 219, 1-14	2.1	8
24	An Analytical Study for Nonlinear Free and Forced Vibration of Electrostatically Actuated MEMS Resonators. <i>International Journal of Structural Stability and Dynamics</i> , <b>2019</b> , 19, 1950072	1.9	7
23	Nonlocal scale effect on Rayleigh wave propagation in porous fluid-saturated materials. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 148, 459-466	5.5	7
22	Higher-Order Approximate Solutions to a Strongly Nonlinear Duffing Oscillator. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , <b>2006</b> , 7, 201-208	0.7	7
21	Dynamic Weakening of Sandstone Subjected to Repetitive Impact Loading. <i>Rock Mechanics and Rock Engineering</i> , <b>2019</b> , 52, 2197-2206	5.7	7
20	Broadband signal response of thermo-acoustic devices and its applications. <i>Journal of the Acoustical Society of America</i> , <b>2017</b> , 141, 2430	2.2	6
19	Extended homotopy analysis method for multi-degree-of-freedom non-autonomous nonlinear dynamical systems and its application. <i>Acta Mechanica</i> , <b>2012</b> , 223, 2537-2548	2.1	6
18	Periodic solutions of multi-degree-of-freedom strongly nonlinear coupled van der Pol oscillators by homotopy analysis method. <i>Acta Mechanica</i> , <b>2011</b> , 217, 269-285	2.1	6
17	A DSC Regularized Dirac-Delta Method for Flexural Vibration of Elastically Supported FG Beams Subjected to a Moving Load. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2050039 <sup>1-9</sup>	1.9	5
16	Highly Directional Acoustic Waves Generated by a Horned Parametric Acoustic Array Loudspeaker. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2019</b> , 141,	1.6	5
15	Accurate approximation to the double sine-Gordon equation. <i>International Journal of Engineering Science</i> , <b>2007</b> , 45, 258-271	5.7	5
14	Free vibration analysis of a structural system with a pair of irrational nonlinearities. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 45, 997-1007	4.5	4
13	Application of the DSC-Element method to flexural vibration of skew plates with continuous and discontinuous boundaries. <i>Thin-Walled Structures</i> , <b>2011</b> , 49, 1080-1090	4.7	4
12	A Human-Based Study of Hand/Arm Vibration Exposure Limits for Construction Workers. <i>Journal of Vibration Engineering and Technologies</i> , <b>2019</b> , 7, 379-388	2	3
11	Analysis of Large-Amplitude Oscillations in Triple-Well Non-Natural Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , <b>2019</b> , 14,	1.4	3
10	Periodic solutions for n-dimensional generalized Liñard type p-Laplacian functional differential system. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , <b>2009</b> , 71, 5906-5914	1.3	3

9	Buckling and Vibration of Elastically Restrained Standing Vertical Plates. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	3
8	Comparisons of nonlinear vibrations among pure polymer plate and graphene platelet reinforced composite plates under combined transverse and parametric excitations. <i>Composite Structures</i> , <b>2021</b> , 265, 113767	5.3	3
7	Internal Resonance Responses of Rectangular Cross-Ply Composite Plates with Graphene Skins. <i>International Journal of Structural Stability and Dynamics</i> , <b>2019</b> , 19, 1950057	1.9	2
6	On the reflection and diffraction of carbon nanotube array thin film. <i>Wave Motion</i> , <b>2019</b> , 90, 196-204	1.8	2
5	On nonlinear oscillation response of a negatively dissipated oscillator and its analogy to long Josephson junction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 368, 289-298 <sup>2,3</sup>		2
4	Higher-order approximate solutions for nonlinear vibration of a constant-tension string. <i>Journal of Sound and Vibration</i> , <b>2008</b> , 317, 440-448	3.9	2
3	Bifurcation and Chaotic Analysis for Cable Vibration of a Cable-Stayed Bridge. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2071004	1.9	1
2	Nonlinear Dynamics and Performance Enhancement of Multi-stable Wideband Energy Harvesting: Theoretical Analysis. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 531, 012040	0.4	0
1	Free Vibration Analysis of Cracked Orthotropic Rectangular Plates Under Thermal Effect. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 223-233	0.3	