

# Hamid Mohammad-Sedighi

## List of Publications by Year in descending order

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145  
papers

3,033  
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159525

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265120

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148  
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148  
docs citations

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times ranked

1210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational behavior of thermoelastic rotating nanobeams with variable thermal properties based on memory-dependent derivative of heat conduction model. <i>Archive of Applied Mechanics</i> , 2023, 93, 197-220.	1.2	13
2	Magneto-thermoelastic behaviour of a finite viscoelastic rotating rod by incorporating Eringen's theory and heat equation including Caputo-Fabrizio fractional derivative. <i>Engineering With Computers</i> , 2023, 39, 655-668.	3.5	4
3	Dynamics of nonlocal thick nano-bars. <i>Engineering With Computers</i> , 2022, 38, 2487-2496.	3.5	6
4	Computational analysis of an infinite magneto-thermoelastic solid periodically dispersed with varying heat flow based on non-local Moore-Gibson-Thompson approach. <i>Continuum Mechanics and Thermodynamics</i> , 2022, 34, 1067-1085.	1.4	50
5	Metamaterials and their applications: An overview. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2022, 236, 2171-2210.	0.7	26
6	The Effect of Excess Carrier on a Semiconducting Semi-Infinite Medium Subject to a Normal Force by Means of Green and Naghdi Approach. <i>Silicon</i> , 2022, 14, 4955-4967.	1.8	11
7	Analytical approach for the temperature distribution in the casting-mould heterogeneous system. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 1168-1182.	1.6	6
8	Pounding mitigation of a short-span cable-stayed bridge using a new hybrid passive control system. <i>Engineering Analysis With Boundary Elements</i> , 2022, 134, 625-636.	2.0	8
9	Nonlocalized thermal behavior of rotating micromachined beams under dynamic and thermodynamic loads. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2022, 102, e202100310.	0.9	7
10	A novel bond stress-slip model for 3-D printed concretes. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2022, 15, 1669.	0.6	25
11	A novel numerical approach for the stability of nanobeam exposed to hygro-thermo-magnetic environment embedded in elastic foundation. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2022, 102, e202100380.	0.9	9
12	Simultaneous resonance and stability analysis of unbalanced asymmetric thin-walled composite shafts. <i>International Journal of Mechanical Sciences</i> , 2022, 217, 107047.	3.6	12
13	Thermoelastic behavior of an isotropic solid sphere under a non-uniform heat flow according to the MGT thermoelastic model. <i>Journal of Thermal Stresses</i> , 2022, 45, 12-29.	1.1	3
14	Strain-Gradient Bar-Elastic Substrate Model with Surface-Energy Effect: Virtual-Force Approach. <i>Nanomaterials</i> , 2022, 12, 375.	1.9	4
15	Photo-thermoelastic behavior of a functionally graded Semiconductor medium excited by thermal laser pulses. <i>Physica Scripta</i> , 2022, 97, 030008.	1.2	3
16	Parametric resonance of bi-directional axial loads shallow arch microresonators. <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 054004.	1.5	0
17	Free vibration of functionally graded beam embedded in Winkler-Pasternak elastic foundation with geometrical uncertainties using symmetric Gaussian fuzzy number. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	5
18	Thermal plane waves in unbounded non-local medium exposed to a moving heat source with a non-singular kernel and higher order time derivatives. <i>Engineering Analysis With Boundary Elements</i> , 2022, 140, 464-475.	2.0	10

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19	Static and Free Vibration Analyses of Single-Walled Carbon Nanotube (SWCNT)â€™Substrate Medium Systems. <i>Nanomaterials</i> , 2022, 12, 1740.	1.9	4
20	Size-dependent nonlinear vibration of functionally graded composite micro-beams reinforced by carbon nanotubes with piezoelectric layers in thermal environments. <i>Acta Mechanica</i> , 2022, 233, 2249-2270.	1.1	26
21	On the equivalence between mass perturbation and DC voltage bias in coupled MEMS resonators: Theoretical and experimental investigation. <i>Journal of Applied Physics</i> , 2022, 132, 024502.	1.1	5
22	Comparative study of the flexoelectricity effect with a highly/weakly interface in distinct piezoelectric materials (PZT-2, PZT-4, PZT-5H, $\text{LiNbO}_3$ , $\text{BaTiO}_3$ ). <i>Waves in Random and Complex Media</i> , 2021, 31, 1780-1798.	1.6	33
23	On the wave solutions of timeâ€™fractional Sawadaâ€™Koteraâ€™to equation arising in shallow water. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 583-592.	1.2	18
24	Difference equation vs differential equation on different scales. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 391-401.	1.6	25
25	Analysis of timeâ€™fractional fuzzy vibration equation of large membranes using double parametric based Residual power series method. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000165.	0.9	10
26	Higher order and scale-dependent micro-inertia effect on the longitudinal dispersion based on the modified couple stress theory. <i>Journal of Computational Design and Engineering</i> , 2021, 8, 189-194.	1.5	6
27	Optimal Spectrum Allocation Based on Primary User Activity Model in Cognitive Radio Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2021, 118, 195-216.	1.8	2
28	A rational beam-elastic substrate model with incorporation of beam-bulk nonlocality and surface-free energy. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	5
29	Vibration analysis of functionally graded microbeam under initial stress via a generalized thermoelastic model with dual-phase lags. <i>Archive of Applied Mechanics</i> , 2021, 91, 2127-2142.	1.2	21
30	The effect of variable properties and rotation in a visco-thermoelastic orthotropic annular cylinder under the Mooreâ€™Gibsonâ€™Thompson heat conduction model. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 1004-1020.	0.7	20
31	Numerical simulation of second-order initial-value problems using a new class of variable coefficients and two-step semi-hybrid methods. <i>Simulation</i> , 2021, 97, 347-364.	1.1	0
32	Evans model for dynamic economics revised. <i>AIMS Mathematics</i> , 2021, 6, 9194-9206.	0.7	24
33	Nonlinear analysis and effectiveness of weakly coupled microbeams for mass sensing applications. <i>Nonlinear Dynamics</i> , 2021, 104, 383-397.	2.7	11
34	Extended range of a MEMS electrostatic actuator using an adjustable linear controller. , 2021, , .		1
35	Effective numerical technique applied for Burgers' equation of $(1\% + \%)$ ; $(2\% + \%)$ â€™dimensional, and coupled forms. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 10135-10153.	1.2	5
36	A Singularly P-Stable Multi-Derivative Predictor Method for the Numerical Solution of Second-Order Ordinary Differential Equations. <i>Mathematics</i> , 2021, 9, 806.	1.1	3

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37	Qualitatively Stable Nonstandard Finite Difference Scheme for Numerical Solution of the Nonlinear Black-Scholes Equation. <i>Journal of Mathematics</i> , 2021, 2021, 1-12.	0.5	6
38	A Novel Elastic Metamaterial with Multiple Resonators for Vibration Suppression. <i>Advances in Condensed Matter Physics</i> , 2021, 2021, 1-16.	0.4	1
39	2D electrostatic energy harvesting device using a single shallow arched microbeam. <i>International Journal of Non-Linear Mechanics</i> , 2021, 132, 103700.	1.4	14
40	Parametric study of a novel magneto-electro-aeroelastic energy harvesting system. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2100-2111.	0.7	4
41	A new insight into the interaction of thermoelasticity with mass diffusion for a half-space in the context of Moore-Gibson-Thompson thermodiffusion theory. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	19
42	Modified couple stress flexure mechanics of nanobeams. <i>Physica Scripta</i> , 2021, 96, 115402.	1.2	5
43	Nonlinear bending, buckling and vibration of functionally graded nonlocal strain gradient nanobeams resting on an elastic foundation. <i>Journal of Mechanics of Materials and Structures</i> , 2021, 16, 327-346.	0.4	3
44	Modeling and analysis of novel coupled magneto-electro-aeroelastic continuous system for flutter-based energy harvesting system. <i>Energy</i> , 2021, 230, 120742.	4.5	13
45	Computational analysis of the nonlinear vibrational behavior of perforated plates with initial imperfection using NURBS-based isogeometric approach. <i>Journal of Computational Design and Engineering</i> , 2021, 8, 1307-1331.	1.5	1
46	Energy harvesters for rotating systems: Modeling and performance analysis. <i>TM Technisches Messen</i> , 2021, 88, 164-177.	0.3	4
47	Modeling and analysis of a coupled novel nonlinear magneto-electro-aeroelastic lumped model for a flutter based energy harvesting system. <i>Physica Scripta</i> , 2021, 96, 025213.	1.2	6
48	PASSIVE ATMOSPHERIC WATER HARVESTING UTILIZING AN ANCIENT CHINESE INK SLAB. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021, 19, 229.	2.3	35
49	HAMILTONIAN-BASED FREQUENCY-AMPLITUDE FORMULATION FOR NONLINEAR OSCILLATORS. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021, 19, 199.	2.3	65
50	TEMPERATURE-DEPENDENT PHYSICAL CHARACTERISTICS OF THE ROTATING NONLOCAL NANOBEMS SUBJECT TO A VARYING HEAT SOURCE AND A DYNAMIC LOAD. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021, 19, 633.	2.3	39
51	Advanced thermoelastic heat conduction model with two fractional parameters and phase-lags. <i>Physica Scripta</i> , 2021, 96, 124048.	1.2	5
52	Modeling photoexcited carrier interactions in a solid sphere of a semiconductor material based on the photothermal Moore-Gibson-Thompson model. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	10
53	An ancient Chinese algorithm for two-point boundary problems and its application to the Michaelis-Menten kinetics. <i>Mathematical Modelling and Control</i> , 2021, 1, 172-176.	0.4	3
54	Multifidelity modeling and comparative analysis of electrically coupled microbeams under squeeze-film damping effect. <i>Nonlinear Dynamics</i> , 2020, 99, 445-460.	2.7	11

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55	Buckling analysis of a non-concentric double-walled carbon nanotube. <i>Acta Mechanica</i> , 2020, 231, 5007-5020.	1.1	28
56	On the nonlinear vibration and static deflection problems of actuated hybrid nanotubes based on the stress-driven nonlocal integral elasticity. <i>Mechanics of Materials</i> , 2020, 148, 103532.	1.7	45
57	A unified model for electrostatic sensors in fluid media. <i>Nonlinear Dynamics</i> , 2020, 101, 271-291.	2.7	11
58	Experimental and theoretical investigations of the lateral vibrations of an unbalanced Jeffcott rotor. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1024-1032.	1.2	9
59	Implementation of Hermite-Ritz method and Navier's technique for vibration of functionally graded porous nanobeam embedded in Winkler-Pasternak elastic foundation using bi-Helmholtz nonlocal elasticity. <i>Journal of Mechanics of Materials and Structures</i> , 2020, 15, 405-434.	0.4	25
60	Nonlocal vibration of carbon/boron-nitride nano-hetero-structure in thermal and magnetic fields by means of nonlinear finite element method. <i>Journal of Computational Design and Engineering</i> , 2020, 7, 591-602.	1.5	21
61	Hygro-Magnetic Vibration of the Single-Walled Carbon Nanotube with Nonlinear Temperature Distribution Based on a Modified Beam Theory and Nonlocal Strain Gradient Model. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050054.	1.3	42
62	Instability analysis of bi-axial micro-scanner under electromagnetic actuation including small scale and damping effects. <i>Microsystem Technologies</i> , 2020, 26, 2615-2638.	1.2	3
63	Physics of rack-and-pinion-inspired metamaterials with rotational resonators for broadband vibration suppression. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	5
64	Analytical investigation of air squeeze film damping for bi-axial micro-scanner using eigenfunction expansion method. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	1.2	8
65	Stress-driven nonlocal elasticity for the instability analysis of fluid-conveying C-BN hybrid-nanotube in a magneto-thermal environment. <i>Physica Scripta</i> , 2020, 95, 065204.	1.2	49
66	Stress-driven nonlocal elasticity for nonlinear vibration characteristics of carbon/boron-nitride hetero-nanotube subject to magneto-thermal environment. <i>Physica Scripta</i> , 2020, 95, 055218.	1.2	47
67	Aerodynamic performance enhancement of horizontal axis wind turbines by dimples on blades: Numerical investigation. <i>Energy</i> , 2020, 195, 117056.	4.5	49
68	Divergence and flutter instability of magneto-thermo-elastic C-BN hetero-nanotubes conveying fluid. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 381-396.	1.5	26
69	On the Vibrations and Stability of Moving Viscoelastic Axially Functionally Graded Nanobeams. <i>Materials</i> , 2020, 13, 1707.	1.3	79
70	Stability and Dynamics of Viscoelastic Moving Rayleigh Beams with an Asymmetrical Distribution of Material Parameters. <i>Symmetry</i> , 2020, 12, 586.	1.1	60
71	Velocity gradient elasticity for nonlinear vibration of carbon nanotube resonators. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1520-1530.	1.2	2
72	Modeling and design of an ultra low-power NEMS relays: application to logic gate inverters. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 104, 17-26.	0.9	4

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73	Modeling and experimental characterization of squeeze film effects in nonlinear capacitive circular microplates. <i>Mechanical Systems and Signal Processing</i> , 2019, 127, 68-88.	4.4	13
74	Nonlinear Dynamics of MEMS Arches Assuming Out-of-Plane Actuation Arrangement. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2019, 141, .	1.0	17
75	Static response and free vibration of MEMS arches assuming out-of-plane actuation pattern. <i>International Journal of Non-Linear Mechanics</i> , 2019, 110, 44-57.	1.4	36
76	Design and analytical modeling of magneto-electro-mechanical characteristics of a novel magneto-electro-elastic vibration-based energy harvesting system. <i>Journal of Sound and Vibration</i> , 2018, 425, 149-169.	2.1	35
77	Numerical analysis of the counter-intuitive dynamic behavior of the elastic-plastic pin-ended beams under impulsive loading with regard to linear hardening effects. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 4588-4600.	1.1	2
78	Lamb wave extraction of dispersion curves in micro/nano-plates using couple stress theories. <i>Waves in Random and Complex Media</i> , 2018, 28, 15-34.	1.6	24
79	Experimental and mathematical analysis of a piezoelectrically actuated multilayered imperfect microbeam subjected to applied electric potential. <i>Composite Structures</i> , 2018, 184, 950-960.	3.1	40
80	Parametric analysis of multilayered unimorph piezoelectric vibration energy harvesters. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2538-2553.	1.5	10
81	A modified model for circular scanner-type nano-mirrors with size-dependency, squeeze film damping and Casimir effects by considering finite conductivity. <i>Microsystem Technologies</i> , 2017, 23, 875-888.	1.2	11
82	A modified model for dynamic instability of CNT based actuators by considering rippling deformation, tip-charge concentration and Casimir attraction. <i>Microsystem Technologies</i> , 2017, 23, 2175-2191.	1.2	14
83	Nonlinear vibration and adhesion instability of Casimir-induced nonlocal nanowires with the consideration of surface energy. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 427-442.	0.8	11
84	Using strain gradient elasticity in conjunction with Gurtinâ€™s Murdoch theory for modeling the coupled effects of surface and size phenomena on the instability of narrow nano-switch. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 3277-3288.	1.1	16
85	Design of a capacitive MEMS double beam switch using dynamic pull-in actuation at very low voltage. <i>Microsystem Technologies</i> , 2017, 23, 5317-5327.	1.2	19
86	One-to-One and Three-to-One Internal Resonances in MEMS Shallow Arches. <i>Journal of Computational and Nonlinear Dynamics</i> , 2017, 12, .	0.7	43
87	Parametric modeling of a novel longitudinal vibration-based energy harvester using magneto-electro-elastic materials. <i>Microsystem Technologies</i> , 2017, 23, 5989-6004.	1.2	13
88	Coupled magneto-electro-mechanical lumped parameter model for a novel vibration-based magneto-electro-elastic energy harvesting systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 90, 158-169.	1.3	30
89	Static and Dynamic Pull-In Instability of Nano-Beams Resting on Elastic Foundation Based on the Nonlocal Elasticity Theory. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2017, 30, 385-397.	1.9	8
90	Instability Characteristics of Free-Standing Nanowires Based on the Strain Gradient Theory with the Consideration of Casimir Attraction and Surface Effects. <i>Metrology and Measurement Systems</i> , 2017, 24, 489-507.	1.4	6

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91	Comments on "Nonlinear phenomena, bifurcations, and routes to chaos in an asymmetrically supported rotor-stator contact system" by Philip Varney and Itzhak Green [J. Sound Vib. 336 (2015) 207-226]. Journal of Sound and Vibration, 2017, 409, 336-342.	2.1	3
92	Microstructure-dependent dynamic behavior of torsional nano-varactor. Measurement: Journal of the International Measurement Confederation, 2017, 111, 114-121.	2.5	14
93	Numerical analysis of the counterintuitive dynamic behavior of the elastic-plastic fully-clamped beams under impulsive loading. Mechanika, 2017, 23, .	0.3	2
94	Modeling and design of an electrically actuated resonant microswitch. JVC/Journal of Vibration and Control, 2016, 22, 559-569.	1.5	16
95	Modeling the effects of material properties on the pull-in instability of nonlocal functionally graded nano-actuators. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2016, 96, 385-400.	0.9	46
96	Size-Dependent Dynamic Behavior and Instability Analysis of Nano-Scale Rotational Varactor in the Presence of Casimir Attraction. International Journal of Applied Mechanics, 2016, 08, 1650018.	1.3	20
97	A Nonlinear Model for Incorporating the Coupled Effects of Surface Energy and Microstructure on the Electromechanical Stability of NEMS. Arabian Journal for Science and Engineering, 2016, 41, 4397-4410.	1.1	6
98	Rippling effect on the structural response of electrostatically actuated single-walled carbon nanotube based NEMS actuators. International Journal of Non-Linear Mechanics, 2016, 87, 97-108.	1.4	39
99	Dynamic instability of vibrating carbon nanotubes near small layers of graphite sheets based on nonlocal continuum elasticity. Journal of Applied Mechanics and Technical Physics, 2016, 57, 90-100.	0.1	6
100	Speed-up hyperspheres homotopic path tracking algorithm for PWL circuits simulations. SpringerPlus, 2016, 5, 890.	1.2	3
101	EFFECT OF SURFACE LAYER ON ELECTROMECHANICAL STABILITY OF TWEEZERS AND CANTILEVERS FABRICATED FROM CONDUCTIVE CYLINDRICAL NANOWIRES. Surface Review and Letters, 2016, 23, 1550101.	0.5	7
102	Dynamic instability analysis of doubly clamped cylindrical nanowires in the presence of Casimir attraction and surface effects using modified couple stress theory. Acta Mechanica, 2016, 227, 1575-1591.	1.1	44
103	Laplace transform homotopy perturbation method for the approximation of variational problems. SpringerPlus, 2016, 5, 276.	1.2	8
104	Modeling and parametric analysis of a unimorph piezocomposite energy harvester with interdigitated electrodes. Composite Structures, 2016, 135, 176-190.	3.1	26
105	Nonlinear Vertical Vibration of Tension Leg Platforms with Homotopy Analysis Method. Advances in Applied Mathematics and Mechanics, 2015, 7, 357-368.	0.7	10
106	Modeling and design of very low-voltage MEMS microswitch using dynamic pull-in. , 2015, , .		2
107	MODELING OF SURFACE STRESS EFFECTS ON THE DYNAMIC BEHAVIOR OF ACTUATED NON-CLASSICAL NANO-BRIDGES. Transactions of the Canadian Society for Mechanical Engineering, 2015, 39, 137-151.	0.3	9
108	Modified model for instability analysis of symmetric FGM double-sided nano-bridge: Corrections due to surface layer, finite conductivity and size effect. Composite Structures, 2015, 132, 545-557.	3.1	44



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109	Dynamic pull-in instability of double-sided actuated nano-torsional switches. <i>Acta Mechanica Sinica</i> , 2015, 28, 91-101.	1.0	38
110	Dynamic instability analysis of electrostatic functionally graded doubly-clamped nano-actuators. <i>Composite Structures</i> , 2015, 124, 55-64.	3.1	51
111	Effect of the amplitude of vibrations on the pull-in instability of double-sided actuated microswitch resonators. <i>Journal of Applied Mechanics and Technical Physics</i> , 2015, 56, 304-312.	0.1	7
112	Non-linear dynamic instability of a double-sided nano-bridge considering centrifugal force and rarefied gas flow. <i>International Journal of Non-Linear Mechanics</i> , 2015, 77, 96-106.	1.4	35
113	Modified continuum model for stability analysis of asymmetric FGM double-sided NEMS: Corrections due to finite conductivity, surface energy and nonlocal effect. <i>Composites Part B: Engineering</i> , 2015, 83, 117-133.	5.9	76
114	Nonlinear feedback controller of a microbeam resonator. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 1680-1697.	1.5	15
115	Dynamic load concentration caused by a break in a Lamina with viscoelastic matrix. <i>Steel and Composite Structures</i> , 2015, 18, 1465-1478.	1.3	2
116	Accurate investigation of lateral vibrations of a quintic nonlinear beam on an elastic foundation: Using an exact formulation of the beam curvature. <i>Journal of Applied Mechanics and Technical Physics</i> , 2014, 55, 1066-1074.	0.1	5
117	Size-dependent dynamic pull-in instability of vibrating electrically actuated microbeams based on the strain gradient elasticity theory. <i>Acta Astronautica</i> , 2014, 95, 111-123.	1.7	122
118	The influence of dispersion forces on the dynamic pull-in behavior of vibrating nano-cantilever based NEMS including fringing field effect. <i>Archives of Civil and Mechanical Engineering</i> , 2014, 14, 766-775.	1.9	39
119	Design and performance of variable-shaped piezoelectric energy harvesters. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 174-186.	1.4	117
120	Static and dynamic pull-in instability of multi-walled carbon nanotube probes by He's iteration perturbation method. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 3459-3469.	0.7	38
121	THE INFLUENCE OF SMALL SCALE ON THE PULL-IN BEHAVIOR OF NONLOCAL NANOBRIDGES CONSIDERING SURFACE EFFECT, CASIMIR AND VAN DER WAALS ATTRACTIONS. <i>International Journal of Applied Mechanics</i> , 2014, 06, 1450030.	1.3	60
122	MODELING THE SIZE DEPENDENT STATIC AND DYNAMIC PULL-IN INSTABILITY OF CANTILEVER NANOACTUATOR BASED ON STRAIN GRADIENT THEORY. <i>International Journal of Applied Mechanics</i> , 2014, 06, 1450055.	1.3	41
123	Nonlinear free vibrations of quintic inextensional beams lying on Winkler elastic substrate based on three-mode assumptions. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2014, 228, 213-225.	0.5	0
124	Modeling the size dependent pull-in instability of beam-type NEMS using strain gradient theory. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 1806-1829.	0.6	37
125	Application of Iteration Perturbation Method in studying dynamic pull-in instability of micro-beams. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 1078-1089.	0.6	12
126	Dynamic pull-in instability of geometrically nonlinear actuated micro-beams based on the modified couple stress theory. <i>Latin American Journal of Solids and Structures</i> , 2014, 11, 810-825.	0.6	35



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127	A study on the quintic nonlinear beam vibrations using asymptotic approximate approaches. Acta Astronautica, 2013, 91, 245-250.	1.7	31
128	Asymptotic approach for nonlinear vibrating beams with saturation type boundary condition. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2013, 227, 2479-2486.	1.1	14
129	Vibrations of micro-beams actuated by an electric field via Parameter Expansion Method. Acta Astronautica, 2013, 85, 19-24.	1.7	48
130	Using Parameter Expansion Method and Min-Max Approach for the Analytical Investigation of Vibrating Micro-Beams Pre-Deformed by an Electric Field. Advances in Structural Engineering, 2013, 16, 681-687.	1.2	9
131	Stick-Slip Vibrations of Layered Structures Undergoing Large Deflection and Dry Friction at the Interface. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.0	7
132	Stick-slip analysis in vibrating two-layer beams with frictional interface. Latin American Journal of Solids and Structures, 2013, 10, 1025-1042.	0.6	6
133	High precise analysis of lateral vibration of quintic nonlinear beam. Latin American Journal of Solids and Structures, 2013, 10, 441-452.	0.6	11
134	Application of Recent Powerful Analytical Approaches on the Non-Linear Vibration of Cantilever Beams. International Journal of Nonlinear Sciences and Numerical Simulation, 2012, 13, 487-494.	0.4	30
135	Accurate modeling of preload discontinuity in the analytical approach of the nonlinear free vibration of beams. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 2474-2484.	1.1	20
136	Bifurcation analysis in hunting dynamical behavior in a railway bogie: Using novel exact equivalent functions for discontinuous nonlinearities. Scientia Iranica, 2012, 19, 1493-1501.	0.3	25
137	A New Approach to Analytical Solution of Cantilever Beam Vibration With Nonlinear Boundary Condition. Journal of Computational and Nonlinear Dynamics, 2012, 7, .	0.7	39
138	Novel equivalent function for deadzone nonlinearity: applied to analytical solution of beam vibration using He's Parameter Expanding Method. Latin American Journal of Solids and Structures, 2012, 9, 443-452.	0.6	36
139	An analytic solution of transversal oscillation of quintic non-linear beam with homotopy analysis method. International Journal of Non-Linear Mechanics, 2012, 47, 777-784.	1.4	65
140	A double microbeam MEMS ohmic switch for ARF-applications with low actuation voltage. Nonlinear Dynamics, 2011, 63, 719-734.	2.7	32
141	Study on the frequency amplitude relation of beam vibration. International Journal of Physical Sciences, 2011, 6, .	0.1	3
142	Shape improvement for piezoelectric energy harvesting applications. , 2009, , .		9
143	<i>Fangzhu</i> (æ-1è): An ancient Chinese nanotechnology for water collection from air: History, mathematical insight, promises, and challenges. Mathematical Methods in the Applied Sciences, 0, , .	1.2	40
144	Micromechanical approach to viscoelastic stress analysis of a pin-loaded hole in unidirectional laminated PMC. Polymers and Polymer Composites, 0, , 096739112110473.	1.0	1

#	ARTICLE	IF	CITATIONS
145	Flexibility-based stress-driven nonlocal frame element: formulation and applications. Engineering With Computers, 0, , 1.	3.5	1