

Hamid Mohammad-Sedighi

List of Publications by Year in descending order

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145
papers

3,033
citations

159525

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h-index

265120

42
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148
all docs

148
docs citations

148
times ranked

1210
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	On the Vibrations and Stability of Moving Viscoelastic Axially Functionally Graded Nanobeams. <i>Materials</i> , 2020, 13, 1707.	1.3	79
4	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
5	An analytic solution of transversal oscillation of quintic non-linear beam with homotopy analysis method. <i>International Journal of Non-Linear Mechanics</i> , 2012, 47, 777-784.	1.4	65
6	HAMILTONIAN-BASED FREQUENCY-AMPLITUDE FORMULATION FOR NONLINEAR OSCILLATORS. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021, 19, 199.	2.3	65
7	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
8	Stability and Dynamics of Viscoelastic Moving Rayleigh Beams with an Asymmetrical Distribution of Material Parameters. <i>Symmetry</i> , 2020, 12, 586.	1.1	60
9	Dynamic instability analysis of electrostatic functionally graded doubly-clamped nano-actuators. <i>Composite Structures</i> , 2015, 124, 55-64.	3.1	51
10	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
11	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
12	Aerodynamic performance enhancement of horizontal axis wind turbines by dimples on blades: Numerical investigation. <i>Energy</i> , 2020, 195, 117056.	4.5	49
13	Vibrations of micro-beams actuated by an electric field via Parameter Expansion Method. <i>Acta Astronautica</i> , 2013, 85, 19-24.	1.7	48
14	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
15	Modeling the effects of material properties on the pull-in instability of nonlocal functionally graded nano-actuators. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2016, 96, 385-400.	0.9	46
16	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
17	Modified model for instability analysis of symmetric FGM double-sided nano-bridge: Corrections due to surface layer, finite conductivity and size effect. <i>Composite Structures</i> , 2015, 132, 545-557.	3.1	44
18	Dynamic instability analysis of doubly clamped cylindrical nanowires in the presence of Casimir attraction and surface effects using modified couple stress theory. <i>Acta Mechanica</i> , 2016, 227, 1575-1591.	1.1	44

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19	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
20	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
21	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
22	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
23	<i>Fangzhu</i> (æ–1è–): An ancient Chinese nanotechnology for water collection from air: History, mathematical insight, promises, and challenges. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	40
24	A New Approach to Analytical Solution of Cantilever Beam Vibration With Nonlinear Boundary Condition. <i>Journal of Computational and Nonlinear Dynamics</i> , 2012, 7, .	0.7	39
25	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
26	Rippling effect on the structural response of electrostatically actuated single-walled carbon nanotube based NEMS actuators. <i>International Journal of Non-Linear Mechanics</i> , 2016, 87, 97-108.	1.4	39
27	TEMPERATURE-DEPENDENT PHYSICAL CHARACTERISTICS OF THE ROTATING NONLOCAL NANOBEAMS SUBJECT TO A VARYING HEAT SOURCE AND A DYNAMIC LOAD. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021, 19, 633.	2.3	39
28	Static and dynamic pull-in instability of multi-walled carbon nanotube probes by Heâ€™s iteration perturbation method. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 3459-3469.	0.7	38
29	Dynamic pull-in instability of double-sided actuated nano-torsional switches. <i>Acta Mechanica Sinica</i> , 2015, 28, 91-101.	1.0	38
30	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
31	Novel equivalent function for deadzone nonlinearity: applied to analytical solution of beam vibration using He's Parameter Expanding Method. <i>Latin American Journal of Solids and Structures</i> , 2012, 9, 443-452.	0.6	36
32	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
33	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
34	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
35	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
36	PASSIVE ATMOSPHERIC WATER HARVESTING UTILIZING AN ANCIENT CHINESE INK SLAB. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2021, 19, 229.	2.3	35

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37	Comparative study of the flexoelectricity effect with a highly/weakly interface in distinct piezoelectric materials (PZT-2, PZT-4, PZT-5H, LiNbO ₃ , BaTiO ₃). <i>Waves in Random and Complex Media</i> , 2021, 31, 1780-1798.	1.6	33
38	A double microbeam MEMS ohmic switch for ÅRF-applications with low actuation voltage. <i>Nonlinear Dynamics</i> , 2011, 63, 719-734.	2.7	32
39	A study on the quintic nonlinear beam vibrations using asymptotic approximate approaches. <i>Acta Astronautica</i> , 2013, 91, 245-250.	1.7	31
40	Application of Recent Powerful Analytical Approaches on the Non-Linear Vibration of Cantilever Beams. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2012, 13, 487-494.	0.4	30
41	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
42	Buckling analysis of a non-concentric double-walled carbon nanotube. <i>Acta Mechanica</i> , 2020, 231, 5007-5020.	1.1	28
43	Modeling and parametric analysis of a unimorph piezocomposite energy harvester with interdigitated electrodes. <i>Composite Structures</i> , 2016, 135, 176-190.	3.1	26
44	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
45	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
46	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
47	Bifurcation analysis in hunting dynamical behavior in a railway bogie: Using novel exact equivalent functions for discontinuous nonlinearities. <i>Scientia Iranica</i> , 2012, 19, 1493-1501.	0.3	25
48	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
49	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
50	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
51	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
52	Evans model for dynamic economics revised. <i>AIMS Mathematics</i> , 2021, 6, 9194-9206.	0.7	24
53	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
54	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

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55	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
56	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
57	The effect of variable properties and rotation in a visco-thermoelastic orthotropic annular cylinder under the Mooreâ€™Gibsonâ€™Thompson heat conduction model. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1004-1020.	0.7	20
58	Design of a capacitive MEMS double beam switch using dynamic pull-in actuation at very low voltage. Microsystem Technologies, 2017, 23, 5317-5327.	1.2	19
59	A new insight into the interaction of thermoelasticity with mass diffusion for a half-space in the context of Mooreâ€™Gibsonâ€™Thompson thermodiffusion theory. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	19
60	On the wave solutions of timeâ€fractional Sawadaâ€Koteraâ€to equation arising in shallow water. Mathematical Methods in the Applied Sciences, 2021, 44, 583-592.	1.2	18
61	Nonlinear Dynamics of MEMS Arches Assuming Out-of-Plane Actuation Arrangement. Journal of Vibration and Acoustics, Transactions of the ASME, 2019, 141, .	1.0	17
62	Modeling and design of an electrically actuated resonant microswitch. JVC/Journal of Vibration and Control, 2016, 22, 559-569.	1.5	16
63	Using strain gradient elasticity in conjunction with Gurtinâ€™Murdoch theory for modeling the coupled effects of surface and size phenomena on the instability of narrow nano-switch. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 3277-3288.	1.1	16
64	Nonlinear feedback controller of a microbeam resonator. JVC/Journal of Vibration and Control, 2015, 21, 1680-1697.	1.5	15
65	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
66	A modified model for dynamic instability of CNT based actuators by considering rippling deformation, tip-charge concentration and Casimir attraction. Microsystem Technologies, 2017, 23, 2175-2191.	1.2	14
67	Microstructure-dependent dynamic behavior of torsional nano-varactor. Measurement: Journal of the International Measurement Confederation, 2017, 111, 114-121.	2.5	14
68	2D electrostatic energy harvesting device using a single shallow arched microbeam. International Journal of Non-Linear Mechanics, 2021, 132, 103700.	1.4	14
69	Parametric modeling of a novel longitudinal vibration-based energy harvester using magneto-electro-elastic materials. Microsystem Technologies, 2017, 23, 5989-6004.	1.2	13
70	Modeling and experimental characterization of squeeze film effects in nonlinear capacitive circular microplates. Mechanical Systems and Signal Processing, 2019, 127, 68-88.	4.4	13
71	Modeling and analysis of novel coupled magneto-electro-aeroelastic continuous system for flutter-based energy harvesting system. Energy, 2021, 230, 120742.	4.5	13
72	Vibrational behavior of thermoelastic rotating nanobeams with variable thermal properties based on memory-dependent derivative of heat conduction model. Archive of Applied Mechanics, 2023, 93, 197-220.	1.2	13

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73	Application of Iteration Perturbation Method in studying dynamic pull-in instability of micro-beams. Latin American Journal of Solids and Structures, 2014, 11, 1078-1089.	0.6	12
74	Simultaneous resonance and stability analysis of unbalanced asymmetric thin-walled composite shafts. International Journal of Mechanical Sciences, 2022, 217, 107047.	3.6	12
75	A modified model for circular scanner-type nano-mirrors with size-dependency, squeeze film damping and Casimir effects by considering finite conductivity. Microsystem Technologies, 2017, 23, 875-888.	1.2	11
76	Nonlinear vibration and adhesion instability of Casimir-induced nonlocal nanowires with the consideration of surface energy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 427-442.	0.8	11
77	Multifidelity modeling and comparative analysis of electrically coupled microbeams under squeeze-film damping effect. Nonlinear Dynamics, 2020, 99, 445-460.	2.7	11
78	A unified model for electrostatic sensors in fluid media. Nonlinear Dynamics, 2020, 101, 271-291.	2.7	11
79	Nonlinear analysis and effectiveness of weakly coupled microbeams for mass sensing applications. Nonlinear Dynamics, 2021, 104, 383-397.	2.7	11
80	The Effect of Excess Carrier on a Semiconducting Semi-Infinite Medium Subject to a Normal Force by Means of Green and Naghdi Approach. Silicon, 2022, 14, 4955-4967.	1.8	11
81	High precise analysis of lateral vibration of quintic nonlinear beam. Latin American Journal of Solids and Structures, 2013, 10, 441-452.	0.6	11
82	Nonlinear Vertical Vibration of Tension Leg Platforms with Homotopy Analysis Method. Advances in Applied Mathematics and Mechanics, 2015, 7, 357-368.	0.7	10
83	Parametric analysis of multilayered unimorph piezoelectric vibration energy harvesters. JVC/Journal of Vibration and Control, 2017, 23, 2538-2553.	1.5	10
84	Analysis of time-fractional fuzzy vibration equation of large membranes using double parametric based Residual power series method. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000165.	0.9	10
85	Modeling photoexcited carrier interactions in a solid sphere of a semiconductor material based on the photothermal Moore-Gibson-Thompson model. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	10
86	Thermal plane waves in unbounded non-local medium exposed to a moving heat source with a non-singular kernel and higher order time derivatives. Engineering Analysis With Boundary Elements, 2022, 140, 464-475.	2.0	10
87	Shape improvement for piezoelectric energy harvesting applications. , 2009, , .		9
88	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
89	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
90	Experimental and theoretical investigations of the lateral vibrations of an unbalanced Jeffcott rotor. Frontiers of Structural and Civil Engineering, 2020, 14, 1024-1032.	1.2	9

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91	A novel numerical approach for the stability of nanobeam exposed to hygro-thermo-magnetic environment embedded in elastic foundation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202100380.	0.9	9
92	Laplace transform homotopy perturbation method for the approximation of variational problems. SpringerPlus, 2016, 5, 276.	1.2	8
93	Static and Dynamic Pull-In Instability of Nano-Beams Resting on Elastic Foundation Based on the Nonlocal Elasticity Theory. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 385-397.	1.9	8
94	Analytical investigation of air squeeze film damping for biaxial microscanner using eigenfunction expansion method. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	8
95	Pounding mitigation of a short-span cable-stayed bridge using a new hybrid passive control system. Engineering Analysis With Boundary Elements, 2022, 134, 625-636.	2.0	8
96	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
97	Effect of the amplitude of vibrations on the pull-in instability of double-sided actuated microswitch resonators. Journal of Applied Mechanics and Technical Physics, 2015, 56, 304-312.	0.1	7
98	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
99	Nonlocalized thermal behavior of rotating micromachined beams under dynamic and thermodynamic loads. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202100310.	0.9	7
100	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
101	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
102	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
103	Instability Characteristics of Free-Standing Nanowires Based on the Strain Gradient Theory with the Consideration of Casimir Attraction and Surface Effects. Metrology and Measurement Systems, 2017, 24, 489-507.	1.4	6
104	Dynamics of nonlocal thick nano-bars. Engineering With Computers, 2022, 38, 2487-2496.	3.5	6
105	Higher order and scale-dependent micro-inertia effect on the longitudinal dispersion based on the modified couple stress theory. Journal of Computational Design and Engineering, 2021, 8, 189-194.	1.5	6
106	Qualitatively Stable Nonstandard Finite Difference Scheme for Numerical Solution of the Nonlinear Black-Scholes Equation. Journal of Mathematics, 2021, 2021, 1-12.	0.5	6
107	Analytical approach for the temperature distribution in the casting-mould heterogeneous system. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 1168-1182.	1.6	6
108	Modeling and analysis of a coupled novel nonlinear magneto-electro-aeroelastic lumped model for a flutter based energy harvesting system. Physica Scripta, 2021, 96, 025213.	1.2	6

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109	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
110	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
111	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
112	Effective numerical technique applied for Burgers' equation of $(1+\alpha_1)\epsilon$, $(2+\alpha_2)\epsilon$ dimensional, and coupled forms. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 10135-10153.	1.2	5
113	Modified couple stress flexure mechanics of nanobeams. <i>Physica Scripta</i> , 2021, 96, 115402.	1.2	5
114	Advanced thermoelastic heat conduction model with two fractional parameters and phase-lags. <i>Physica Scripta</i> , 2021, 96, 124048.	1.2	5
115	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
116	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
117	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
118	Energy harvesters for rotating systems: Modeling and performance analysis. <i>TM Technisches Messen</i> , 2021, 88, 164-177.	0.3	4
119	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
120	Strain-Gradient Bar-Elastic Substrate Model with Surface-Energy Effect: Virtual-Force Approach. <i>Nanomaterials</i> , 2022, 12, 375.	1.9	4
121	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
122	Static and Free Vibration Analyses of Single-Walled Carbon Nanotube (SWCNT) Substrate Medium Systems. <i>Nanomaterials</i> , 2022, 12, 1740.	1.9	4
123	Speed-up hyperspheres homotopic path tracking algorithm for PWL circuits simulations. <i>SpringerPlus</i> , 2016, 5, 890.	1.2	3
124	Comments on "Nonlinear phenomena, bifurcations, and routes to chaos in an asymmetrically supported rotor-stator contact system" by Philip Varney and Itzhak Green [<i>J. Sound Vib.</i> 336 (2015) 207-226]. <i>Journal of Sound and Vibration</i> , 2017, 409, 336-342.	2.1	3
125	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
126	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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127	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
128	Study on the frequency “ amplitude relation of beam vibration. <i>International Journal of Physical Sciences</i> , 2011, 6, .	0.1	3
129	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
130	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
131	Photo-thermoelastic behavior of a functionally graded? Semiconductor medium excited by thermal laser pulses. <i>Physica Scripta</i> , 2022, 97, 030008.	1.2	3
132	Modeling and design of very low-voltage MEMS microswitch using dynamic pull-in. , 2015, , .		2
133	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
134	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
135	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
136	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
137	Numerical analysis of the counterintuitive dynamic behavior of the elastic-plastic fully-clamped beams under impulsive loading. <i>Mechanika</i> , 2017, 23, .	0.3	2
138	Extended range of a MEMS electrostatic actuator using an adjustable linear controller. , 2021, , .		1
139	A Novel Elastic Metamaterial with Multiple Resonators for Vibration Suppression. <i>Advances in Condensed Matter Physics</i> , 2021, 2021, 1-16.	0.4	1
140	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
141	Micromechanical approach to viscoelastic stress analysis of a pin-loaded hole in unidirectional laminated PMC. <i>Polymers and Polymer Composites</i> , 0, , 096739112110473.	1.0	1
142	Flexibility-based stress-driven nonlocal frame element: formulation and applications. <i>Engineering With Computers</i> , 0, , 1.	3.5	1
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	Parametric resonance of bi-directional axial loads shallow arch microresonators. Journal of Micromechanics and Microengineering, 2022, 32, 054004.	1.5	0