Hamed Safarpour

List of Publications by Year
in descending order

104 papers	5,845 citations	76031 42 h-index	156644 58 g-index
109 all docs	109 docs citations	109 times ranked	1146 citing authors

#	Article	IF	Citations
1	On the modeling of bending responses of graphene-reinforced higher order annular plate via two-dimensional continuum mechanics approach. Engineering With Computers, 2022, 38, 703-724.	3.5	22
2	Wave dispersion characteristics of high-speed-rotating laminated nanocomposite cylindrical shells based on four continuum mechanics theories. Waves in Random and Complex Media, 2022, 32, 1599-1625.	1.6	28
3	Influence of in-plane loading on the vibrations of the fully symmetric mechanical systems via dynamic simulation and generalized differential quadrature framework. Engineering With Computers, 2022, 38, 3675-3697.	3.5	17
4	Nonlinear forced vibrations of nanocomposite-reinforced viscoelastic thick annular system under hygrothermal environment. Mechanics Based Design of Structures and Machines, 2022, 50, 4021-4047.	3.4	13
5	On the vibrations of a high-speed rotating multi-hybrid nanocomposite reinforced cantilevered microdisk. Mechanics Based Design of Structures and Machines, 2022, 50, 4157-4185.	3.4	13
6	Wave propagation simulation in an electrically open shell reinforced with multi-phase nanocomposites. Engineering With Computers, 2022, 38, 629-645.	3.5	21
7	AÂcomputationalÂframework for propagated waves in a sandwich doubly curved nanocomposite panel. Engineering With Computers, 2022, 38, 1679-1696.	3.5	86
8	Bi-directional thermal buckling and resonance frequency characteristics of a GNP-reinforced composite nanostructure. Engineering With Computers, 2022, 38, 1559-1580.	3.5	33
9	Frequency simulation of viscoelastic multi-phase reinforced fully symmetric systems. Engineering With Computers, 2022, 38, 3725-3741.	3.5	74
10	Semi-numerical simulation for vibrational responses of the viscoelastic imperfect annular system with honeycomb core under residual pressure. Engineering With Computers, 2022, 38, 3699-3724.	3.5	26
11	On the phase velocity simulation of the multi curved viscoelastic system via an exact solution framework. Engineering With Computers, 2022, 38, 353-369.	3.5	21
12	Frequency and buckling responses of a high-speed rotating fiber metal laminated cantilevered microdisk. Mechanics of Advanced Materials and Structures, 2022, 29, 1475-1488.	1.5	30
13	Large-amplitude dynamical behavior of multilayer graphene platelets reinforced nanocomposite annular plate under thermo-mechanical loadings. Mechanics Based Design of Structures and Machines, 2022, 50, 3722-3746.	3.4	13
14	A comprehensive computational approach for nonlinear thermal instability of the electrically FG-GPLRC disk based on GDQ method. Engineering With Computers, 2022, 38, 801-818.	3.5	97
15	On the statics and dynamics of an electro-thermo-mechanically porous GPLRC nanoshell conveying fluid flow. Mechanics Based Design of Structures and Machines, 2022, 50, 2147-2183.	3.4	36
16	Vibrational characteristics of a FG-GPLRC viscoelastic thick annular plate using fourth-order Runge-Kutta and GDQ methods. Mechanics Based Design of Structures and Machines, 2022, 50, 2471-2492.	3.4	77
17	Vibrational responses of a MHC viscoelastic thick annular plate in thermal environment using GDQ method. Mechanics Based Design of Structures and Machines, 2022, 50, 2688-2713.	3.4	25
18	Viscoelastic dynamics and static responses of a graphene nanoplatelets-reinforced composite cylindrical microshell. Mechanics Based Design of Structures and Machines, 2022, 50, 509-536.	3.4	68

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19	Critical voltage, thermal buckling and frequency characteristics of a thermally affected GPL reinforced composite microdisk covered with piezoelectric actuator. Mechanics Based Design of Structures and Machines, 2022, 50, 1331-1353.	3.4	55
20	A modified strain gradient shell model for vibration analysis of DWCNT conveying viscous fluid including surface effects. Mechanics Based Design of Structures and Machines, 2022, 50, 1506-1536.	3.4	7
21	Buckling and vibration analysis of FG-CNTRC plate subjected to thermo-mechanical load based on higher order shear deformation theory. Mechanics Based Design of Structures and Machines, 2022, 50, 1137-1160.	3.4	64
22	Amplitude motion and frequency simulation of a composite viscoelastic microsystem within modified couple stress elasticity. Engineering With Computers, 2022, 38, 3977-3991.	3.5	27
23	Dynamic simulation of the ultra-fast-rotating sandwich cantilever disk via finite element and semi-numerical methods. Engineering With Computers, 2022, 38, 4127-4143.	3.5	30
24	Enhancing vibration performance of a spinning smart nanocomposite reinforced microstructure conveying fluid flow. Engineering With Computers, 2022, 38, 4097-4112.	3.5	16
25	A comprehensive mathematical simulation of the composite size-dependent rotary 3D microsystem via two-dimensional generalized differential quadrature method. Engineering With Computers, 2022, 38, 4181-4196.	3.5	16
26	Dynamic stability/instability simulation of the rotary size-dependent functionally graded microsystem. Engineering With Computers, 2022, 38, 4163-4179.	3.5	40
27	An intelligent computer method for vibration responses of the spinning multi-layer symmetric nanosystem using multi-physics modeling. Engineering With Computers, 2022, 38, 4217-4238.	3.5	20
28	Investigation on dynamic stability and aeroelastic characteristics of composite curved pipes with any yawed angle. Composite Structures, 2022, 284, 115195.	3.1	34
29	On the vibrations of the Electrorheological sandwich disk with composite face sheets considering pre and post-yield regions. Thin-Walled Structures, 2022, 179, 109631.	2.7	58
30	Influence of imperfection on amplitude and resonance frequency of a reinforcement compositionally graded nanostructure. Waves in Random and Complex Media, 2021, 31, 1340-1366.	1.6	50
31	Wave propagation analysis of a spinning porous graphene nanoplatelet-reinforced nanoshell. Waves in Random and Complex Media, 2021, 31, 1655-1681.	1.6	63
32	Application of exact continuum size-dependent theory for stability and frequency analysis of a curved cantilevered microtubule by considering viscoelastic properties. Engineering With Computers, 2021, 37, 3629-3648.	3.5	78
33	Application of nonlocal strain–stress gradient theory and GDQEM for thermo-vibration responses of a laminated composite nanoshell. Engineering With Computers, 2021, 37, 3359-3374.	3.5	62
34	The critical voltage of a GPL-reinforced composite microdisk covered with piezoelectric layer. Engineering With Computers, 2021, 37, 3489-3508.	3.5	44
35	On the nonlinear dynamics of a multi-scale hybrid nanocomposite disk. Engineering With Computers, 2021, 37, 2369.	3.5	64
36	Dynamic information of the time-dependent tobullian biomolecular structure using a high-accuracy size-dependent theory. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1-16.	2.0	29

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37	On the dynamics of a curved microtubule-associated proteins by considering viscoelastic properties of the living biological cells. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2415-2429.	2.0	17
38	Dynamic instability responses of the substructure living biological cells in the cytoplasm environment using stress-strain size-dependent theory. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2543-2554.	2.0	34
39	Frequency characteristics of a viscoelastic graphene nanoplateletâ€"reinforced composite circular microplate. JVC/Journal of Vibration and Control, 2021, 27, 101-118.	1.5	77
40	Chaotic responses and nonlinear dynamics of the graphene nanoplatelets reinforced doubly-curved panel. European Journal of Mechanics, A/Solids, 2021, 85, 104091.	2.1	68
41	On the dynamics of the ultra-fast rotating cantilever orthotropic piezoelectric nanodisk based on nonlocal strain gradient theory. Composite Structures, 2021, 255, 112990.	3.1	36
42	On the wave propagation of the multi-scale hybrid nanocomposite doubly curved viscoelastic panel. Composite Structures, 2021, 255, 112947.	3.1	36
43	Vibrational characteristics of a higher-order laminated composite viscoelastic annular microplate via modified couple stress theory. Composite Structures, 2021, 257, 113152.	3.1	59
44	Three-dimensional frequency response of the CNT-Carbon-Fiber reinforced laminated circular/annular plates under initially stresses. Composite Structures, 2021, 257, 113146.	3.1	41
45	Non-polynomial framework for stress and strain response of the FG-GPLRC disk using three-dimensional refined higher-order theory. Engineering Structures, 2021, 228, 111496.	2.6	118
46	Vibration control of a smart shell reinforced by graphene nanoplatelets under external load: Semi-numerical and finite element modeling. Thin-Walled Structures, 2021, 159, 107242.	2.7	58
47	On the vibrations of the imperfect sandwich higher-order disk with a lactic core using generalize differential quadrature method. Composite Structures, 2021, 257, 113150.	3.1	141
48	Wave propagation analysis of the laminated cylindrical nanoshell coupled with a piezoelectric actuator. Mechanics Based Design of Structures and Machines, 2021, 49, 640-658.	3.4	83
49	Effect of porosity on buckling and vibrational characteristics of the imperfect GPLRC composite nanoshell. Mechanics Based Design of Structures and Machines, 2021, 49, 811-840.	3.4	65
50	Free vibration analysis of an electro-elastic GPLRC cylindrical shell surrounded by viscoelastic foundation using modified length-couple stress parameter. Mechanics Based Design of Structures and Machines, 2021, 49, 738-762.	3.4	101
51	On the nonlinear dynamics of the multi-scale hybrid nanocomposite-reinforced annular plate under hygro-thermal environment. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	39
52	On the vibrations of the non-polynomial viscoelastic composite open-type shell under residual stresses. Composite Structures, 2021, 263, 113599.	3.1	46
53	Low-velocity impact, resonance, and frequency responses of FG-GPLRC viscoelastic doubly curved panel. Composite Structures, 2021, 269, 114000.	3.1	38
54	Electromechanical energy absorption, resonance frequency, and low-velocity impact analysis of the piezoelectric doubly curved system. Mechanical Systems and Signal Processing, 2021, 157, 107723.	4.4	61

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55	Poroelasticity framework for stress/strain responses of the multi-phase circular/annular systems resting on various types of elastic foundations. European Physical Journal Plus, 2021, 136, 1.	1.2	2
56	Energy absorption of the strengthened viscoelastic multi-curved composite panel under friction force. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	1.9	37
57	Non-polynomial framework for bending responses of the multi-scale hybrid laminated nanocomposite reinforced circular/annular plate. Thin-Walled Structures, 2021, 166, 108019.	2.7	46
58	Bending analysis of FG-GPLRC axisymmetric circular/annular sector plates by considering elastic foundation and horizontal friction force using 3D-poroelasticity theory. Composite Structures, 2021, 276, 114438.	3.1	27
59	Finite element and experimental method for analyzing the effects of martensite morphologies on the formability of DP steels. Mechanics Based Design of Structures and Machines, 2020, 48, 525-541.	3.4	64
60	Thermal buckling and forced vibration characteristics of a porous GNP reinforced nanocomposite cylindrical shell. Microsystem Technologies, 2020, 26, 461-473.	1.2	93
61	Prediction of FLD for sheet metal by considering through-thickness shear stresses. Mechanics Based Design of Structures and Machines, 2020, 48, 755-772.	3.4	71
62	Influence of system parameters on buckling and frequency analysis of a spinning cantilever cylindrical 3D shell coupled with piezoelectric actuator. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 512-529.	1.1	60
63	Frequency and critical angular velocity characteristics of rotary laminated cantilever microdisk via two-dimensional analysis. Thin-Walled Structures, 2020, 157, 107111.	2.7	39
64	A coupled thermomechanics approach for frequency information of electrically composite microshell using heat-transfer continuum problem. European Physical Journal Plus, 2020, 135, 1.	1.2	43
65	On the buckling of the polymer-CNT-fiber nanocomposite annular system under thermo-mechanical loads. Mechanics Based Design of Structures and Machines, 2020, , 1-21.	3.4	29
66	Vibration Control of a Smart Shell Reinforced by Graphene Nanoplatelets. International Journal of Applied Mechanics, 2020, 12, 2050066.	1.3	59
67	Chaotic oscillation of a multi-scale hybrid nano-composites reinforced disk under harmonic excitation via GDQM. Composite Structures, 2020, 252, 112737.	3.1	74
68	Extremely large oscillation and nonlinear frequency of a multi-scale hybrid disk resting on nonlinear elastic foundation. Thin-Walled Structures, 2020, 154, 106840.	2.7	131
69	Critical Temperature and Frequency Characteristics of GPLs-Reinforced Composite Doubly Curved Panel. Applied Sciences (Switzerland), 2020, 10, 3251.	1.3	28
70	Frequency analysis of a graphene platelet–reinforced imperfect cylindrical panel covered with piezoelectric sensor and actuator. Journal of Strain Analysis for Engineering Design, 2020, 55, 181-196.	1.0	28
71	Weld orientation effects on the formability of tailor welded thin steel sheets. Thin-Walled Structures, 2020, 149, 106669.	2.7	80
72	Frequency characteristics of FG-GPLRC viscoelastic thick annular plate with the aid of GDQM. Thin-Walled Structures, 2020, 150, 106683.	2.7	124

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73	Thermal Buckling Responses of a Graphene Reinforced Composite Micropanel Structure. International Journal of Applied Mechanics, 2020, 12, 2050010.	1.3	61
74	Frequency characteristics of a GPL-reinforced composite microdisk coupled with a piezoelectric layer. European Physical Journal Plus, 2020, 135, 1.	1.2	48
75	Dynamic response of the nonlocal strain-stress gradient in laminated polymer composites microtubes. Scientific Reports, 2020, 10, 5616.	1.6	33
76	On the Vibrations and Stability of Moving Viscoelastic Axially Functionally Graded Nanobeams. Materials, 2020, 13, 1707.	1.3	79
77	Stability and Dynamics of Viscoelastic Moving Rayleigh Beams with an Asymmetrical Distribution of Material Parameters. Symmetry, 2020, 12, 586.	1.1	60
78	Buckling and frequency analysis of the nonlocal strain–stress gradient shell reinforced with graphene nanoplatelets. JVC/Journal of Vibration and Control, 2019, 25, 2627-2640.	1.5	66
79	Vibration analysis of a high-speed rotating GPLRC nanostructure coupled with a piezoelectric actuator. European Physical Journal Plus, 2019, 134, 1.	1.2	93
80	Stability analysis of an electrically cylindrical nanoshell reinforced with graphene nanoplatelets. Composites Part B: Engineering, 2019, 175, 107125.	5.9	103
81	Effect of Porosity on free and forced vibration characteristics of the GPL reinforcement composite nanostructures. Computers and Mathematics With Applications, 2019, 77, 2608-2626.	1.4	96
82	Effect of distributed axial loading on dynamic stability and buckling analysis of a viscoelastic DWCNT conveying viscous fluid flow. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	27
83	Wave propagation characteristics of the electrically GNP-reinforced nanocomposite cylindrical shell. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	91
84	Buckling and vibration characteristics of a carbon nanotube-reinforced spinning cantilever cylindrical 3D shell conveying viscous fluid flow and carrying spring-mass systems under various temperature distributions. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4590-4605.	1.1	73
85	Multilayer GPLRC composite cylindrical nanoshell using modified strain gradient theory. Mechanics Based Design of Structures and Machines, 2019, 47, 521-545.	3.4	100
86	Influence of spring-mass systems on frequency behavior and critical voltage of a high-speed rotating cantilever cylindrical three-dimensional shell coupled with piezoelectric actuator. JVC/Journal of Vibration and Control, 2019, 25, 1543-1557.	1.5	78
87	Buckling and Frequency Responses of a Graphene Nanoplatelet Reinforced Composite Microdisk. International Journal of Applied Mechanics, 2019, 11, 1950102.	1.3	78
88	Buckling and free vibration analysis of high speed rotating carbon nanotube reinforced cylindrical piezoelectric shell. Applied Mathematical Modelling, 2019, 65, 428-442.	2.2	72
89	A size-dependent exact theory for thermal buckling, free and forced vibration analysis of temperature dependent FG multilayer GPLRC composite nanostructures restring on elastic foundation. International Journal of Mechanics and Materials in Design, 2019, 15, 569-583.	1.7	93
90	On modeling of wave propagation in a thermally affected GNP-reinforced imperfect nanocomposite shell. Engineering With Computers, 2019, 35, 1375-1389.	3.5	107

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91	Free vibration of an ultra-fast-rotating-induced cylindrical nano-shell resting on a Winkler foundation under thermo-electro-magneto-elastic condition. Applied Mathematical Modelling, 2018, 61, 255-279.	2.2	58
92	Effect of Porosity on Flexural Vibration of CNT-Reinforced Cylindrical Shells in Thermal Environment Using GDQM. International Journal of Structural Stability and Dynamics, 2018, 18, 1850123.	1.5	71
93	Forming limit diagrams by including the Mâ€"K model in finite element simulation considering the effect of bending. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 625-636.	0.7	45
94	Wave propagation characteristics of a cylindrical laminated composite nanoshell in thermal environment based on the nonlocal strain gradient theory. European Physical Journal Plus, 2018, 133, 1.	1.2	87
95	Influence of surface effects on vibration behavior of a rotary functionally graded nanobeam based on Eringenâ€™s nonlocal elasticity. Microsystem Technologies, 2017, 23, 1045-1065.	1.2	87
96	Critical rotational speed, critical velocity of fluid flow and free vibration analysis of a spinning SWCNT conveying viscous fluid. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	45
97	Critical speed and free vibration analysis of spinning 3D single-walled carbon nanotubes resting on elastic foundations. European Physical Journal Plus, 2017, 132, 1.	1.2	59
98	Influence of three-parameter viscoelastic medium on vibration behavior of a cylindrical nonhomogeneous microshell in thermal environment: An exact solution. Journal of Thermal Stresses, 2017, 40, 1353-1367.	1.1	34
99	Influence of various temperature distributions on critical speed and vibrational characteristics of rotating cylindrical microshells with modified lengthscale parameter. European Physical Journal Plus, 2017, 132, 1.	1.2	43
100	Free vibration analysis of size-dependent functionally graded porous cylindrical microshells in thermal environment. Journal of Thermal Stresses, 2017, 40, 55-71.	1.1	104
101	Temperature-dependent vibration analysis of a FG viscoelastic cylindrical microshell under various thermal distribution via modified length scale parameter: a numerical solution. Journal of the Mechanical Behavior of Materials, 2017, 26, 9-24.	0.7	40
102	Free vibration analysis of embedded magneto-electro-thermo-elastic cylindrical nanoshell based on the modified couple stress theory. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	87
103	A comprehensive computer simulation of the size-dependent sector or complete microsystem via two-dimensional generalized differential quadrature method. Engineering With Computers, 0, , 1.	3.5	1
104	Enhancing active vibration control performances in a smart rotary sandwich thick nanostructure conveying viscous fluid flow by a PD controller. Waves in Random and Complex Media, 0, , 1-24.	1.6	8