

Mostafa Habibi

List of Publications by Year in descending order

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91
papers

5,335
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76294

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times ranked

902
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of mechanical properties, formability and forming limit diagrams for tailor-welded blanks produced by friction stir welding. <i>Journal of Manufacturing Processes</i> , 2018, 31, 310-323.	2.8	149
2	On the vibrations of the imperfect sandwich higher-order disk with a lactic core using generalize differential quadrature method. <i>Composite Structures</i> , 2021, 257, 113150.	3.1	141
3	Extremely large oscillation and nonlinear frequency of a multi-scale hybrid disk resting on nonlinear elastic foundation. <i>Thin-Walled Structures</i> , 2020, 154, 106840.	2.7	131
4	Frequency characteristics of FG-GPLRC viscoelastic thick annular plate with the aid of GDQM. <i>Thin-Walled Structures</i> , 2020, 150, 106683.	2.7	124
5	Non-polynomial framework for stress and strain response of the FG-GPLRC disk using three-dimensional refined higher-order theory. <i>Engineering Structures</i> , 2021, 228, 111496.	2.6	118
6	On modeling of wave propagation in a thermally affected GNP-reinforced imperfect nanocomposite shell. <i>Engineering With Computers</i> , 2019, 35, 1375-1389.	3.5	107
7	Stability analysis of an electrically cylindrical nanoshell reinforced with graphene nanoplatelets. <i>Composites Part B: Engineering</i> , 2019, 175, 107125.	5.9	103
8	Free vibration analysis of an electro-elastic GPLRC cylindrical shell surrounded by viscoelastic foundation using modified length-couple stress parameter. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 738-762.	3.4	101
9	Multilayer GPLRC composite cylindrical nanoshell using modified strain gradient theory. <i>Mechanics Based Design of Structures and Machines</i> , 2019, 47, 521-545.	3.4	100
10	Enhancing the Mechanical Properties and Formability of Low Carbon Steel with Dual-Phase Microstructures. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 382-389.	1.2	98
11	A comprehensive computational approach for nonlinear thermal instability of the electrically FG-GPLRC disk based on GDQ method. <i>Engineering With Computers</i> , 2022, 38, 801-818.	3.5	97
12	Effect of Porosity on free and forced vibration characteristics of the GPL reinforcement composite nanostructures. <i>Computers and Mathematics With Applications</i> , 2019, 77, 2608-2626.	1.4	96
13	Vibration analysis of a high-speed rotating GPLRC nanostructure coupled with a piezoelectric actuator. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	93
14	A size-dependent exact theory for thermal buckling, free and forced vibration analysis of temperature dependent FG multilayer GPLRC composite nanostructures resting on elastic foundation. <i>International Journal of Mechanics and Materials in Design</i> , 2019, 15, 569-583.	1.7	93
15	Thermal buckling and forced vibration characteristics of a porous GNP reinforced nanocomposite cylindrical shell. <i>Microsystem Technologies</i> , 2020, 26, 461-473.	1.2	93
16	Wave propagation characteristics of the electrically GNP-reinforced nanocomposite cylindrical shell. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	91
17	Wave propagation characteristics of a cylindrical laminated composite nanoshell in thermal environment based on the nonlocal strain gradient theory. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	87
18	A computational framework for propagated waves in a sandwich doubly curved nanocomposite panel. <i>Engineering With Computers</i> , 2022, 38, 1679-1696.	3.5	86

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19	Wave propagation analysis of the laminated cylindrical nanoshell coupled with a piezoelectric actuator. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 640-658.	3.4	83
20	Weld orientation effects on the formability of tailor welded thin steel sheets. <i>Thin-Walled Structures</i> , 2020, 149, 106669.	2.7	80
21	On the Vibrations and Stability of Moving Viscoelastic Axially Functionally Graded Nanobeams. <i>Materials</i> , 2020, 13, 1707.	1.3	79
22	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. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 1543-1557.	1.5	78
23	Buckling and Frequency Responses of a Graphene Nanoplatelet Reinforced Composite Microdisk. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950102.	1.3	78
24	Application of exact continuum size-dependent theory for stability and frequency analysis of a curved cantilevered microtubule by considering viscoelastic properties. <i>Engineering With Computers</i> , 2021, 37, 3629-3648.	3.5	78
25	Vibrational characteristics of a FG-GPLRC viscoelastic thick annular plate using fourth-order Runge-Kutta and GDQ methods. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2471-2492.	3.4	77
26	Frequency characteristics of a viscoelastic graphene nanoplatelet reinforced composite circular microplate. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 101-118.	1.5	77
27	Chaotic oscillation of a multi-scale hybrid nano-composites reinforced disk under harmonic excitation via GDQM. <i>Composite Structures</i> , 2020, 252, 112737.	3.1	74
28	Frequency simulation of viscoelastic multi-phase reinforced fully symmetric systems. <i>Engineering With Computers</i> , 2022, 38, 3725-3741.	3.5	74
29	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. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 4590-4605.	1.1	73
30	Prediction of FLD for sheet metal by considering through-thickness shear stresses. <i>Mechanics Based Design of Structures and Machines</i> , 2020, 48, 755-772.	3.4	71
31	Viscoelastic dynamics and static responses of a graphene nanoplatelets-reinforced composite cylindrical microshell. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 509-536.	3.4	68
32	Chaotic responses and nonlinear dynamics of the graphene nanoplatelets reinforced doubly-curved panel. <i>European Journal of Mechanics, A/Solids</i> , 2021, 85, 104091.	2.1	68
33	Buckling and frequency analysis of the nonlocal strain stress gradient shell reinforced with graphene nanoplatelets. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 2627-2640.	1.5	66
34	Effect of porosity on buckling and vibrational characteristics of the imperfect GPLRC composite nanoshell. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 811-840.	3.4	65
35	Finite element and experimental method for analyzing the effects of martensite morphologies on the formability of DP steels. <i>Mechanics Based Design of Structures and Machines</i> , 2020, 48, 525-541.	3.4	64
36	On the nonlinear dynamics of a multi-scale hybrid nanocomposite disk. <i>Engineering With Computers</i> , 2021, 37, 2369.	3.5	64

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37	Buckling and vibration analysis of FG-CNTRC plate subjected to thermo-mechanical load based on higher order shear deformation theory. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1137-1160.	3.4	64
38	Wave propagation analysis of a spinning porous graphene nanoplatelet-reinforced nanoshell. <i>Waves in Random and Complex Media</i> , 2021, 31, 1655-1681.	1.6	63
39	Application of nonlocal strain-stress gradient theory and GDQEM for thermo-vibration responses of a laminated composite nanoshell. <i>Engineering With Computers</i> , 2021, 37, 3359-3374.	3.5	62
40	Thermal Buckling Responses of a Graphene Reinforced Composite Micropanel Structure. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050010.	1.3	61
41	Electromechanical energy absorption, resonance frequency, and low-velocity impact analysis of the piezoelectric doubly curved system. <i>Mechanical Systems and Signal Processing</i> , 2021, 157, 107723.	4.4	61
42	Influence of system parameters on buckling and frequency analysis of a spinning cantilever cylindrical 3D shell coupled with piezoelectric actuator. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 512-529.	1.1	60
43	Stability and Dynamics of Viscoelastic Moving Rayleigh Beams with an Asymmetrical Distribution of Material Parameters. <i>Symmetry</i> , 2020, 12, 586.	1.1	60
44	Vibration Control of a Smart Shell Reinforced by Graphene Nanoplatelets. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050066.	1.3	59
45	Vibrational characteristics of a higher-order laminated composite viscoelastic annular microplate via modified couple stress theory. <i>Composite Structures</i> , 2021, 257, 113152.	3.1	59
46	Vibration control of a smart shell reinforced by graphene nanoplatelets under external load: Semi-numerical and finite element modeling. <i>Thin-Walled Structures</i> , 2021, 159, 107242.	2.7	58
47	On the vibrations of the Electrorheological sandwich disk with composite face sheets considering pre and post-yield regions. <i>Thin-Walled Structures</i> , 2022, 179, 109631.	2.7	58
48	Critical voltage, thermal buckling and frequency characteristics of a thermally affected GPL reinforced composite microdisk covered with piezoelectric actuator. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1331-1353.	3.4	55
49	Influence of imperfection on amplitude and resonance frequency of a reinforcement compositionally graded nanostructure. <i>Waves in Random and Complex Media</i> , 2021, 31, 1340-1366.	1.6	50
50	Frequency characteristics of a GPL-reinforced composite microdisk coupled with a piezoelectric layer. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	48
51	On the vibrations of the non-polynomial viscoelastic composite open-type shell under residual stresses. <i>Composite Structures</i> , 2021, 263, 113599.	3.1	46
52	Non-polynomial framework for bending responses of the multi-scale hybrid laminated nanocomposite reinforced circular/annular plate. <i>Thin-Walled Structures</i> , 2021, 166, 108019.	2.7	46
53	Forming limit diagrams by including the M-K model in finite element simulation considering the effect of bending. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018, 232, 625-636.	0.7	45
54	The critical voltage of a GPL-reinforced composite microdisk covered with piezoelectric layer. <i>Engineering With Computers</i> , 2021, 37, 3489-3508.	3.5	44

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55	A coupled thermomechanics approach for frequency information of electrically composite microshell using heat-transfer continuum problem. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	43
56	Three-dimensional frequency response of the CNT-Carbon-Fiber reinforced laminated circular/annular plates under initially stresses. <i>Composite Structures</i> , 2021, 257, 113146.	3.1	41
57	Dynamic stability/instability simulation of the rotary size-dependent functionally graded microsystem. <i>Engineering With Computers</i> , 2022, 38, 4163-4179.	3.5	40
58	Frequency and critical angular velocity characteristics of rotary laminated cantilever microdisk via two-dimensional analysis. <i>Thin-Walled Structures</i> , 2020, 157, 107111.	2.7	39
59	On the nonlinear dynamics of the multi-scale hybrid nanocomposite-reinforced annular plate under hygro-thermal environment. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	39
60	Low-velocity impact, resonance, and frequency responses of FG-GPLRC viscoelastic doubly curved panel. <i>Composite Structures</i> , 2021, 269, 114000.	3.1	38
61	Energy absorption of the strengthened viscoelastic multi-curved composite panel under friction force. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	37
62	On the statics and dynamics of an electro-thermo-mechanically porous GPLRC nanoshell conveying fluid flow. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2147-2183.	3.4	36
63	On the dynamics of the ultra-fast rotating cantilever orthotropic piezoelectric nanodisk based on nonlocal strain gradient theory. <i>Composite Structures</i> , 2021, 255, 112990.	3.1	36
64	On the wave propagation of the multi-scale hybrid nanocomposite doubly curved viscoelastic panel. <i>Composite Structures</i> , 2021, 255, 112947.	3.1	36
65	Dynamic instability responses of the substructure living biological cells in the cytoplasm environment using stress-strain size-dependent theory. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2543-2554.	2.0	34
66	Investigation on dynamic stability and aeroelastic characteristics of composite curved pipes with any yawed angle. <i>Composite Structures</i> , 2022, 284, 115195.	3.1	34
67	Bi-directional thermal buckling and resonance frequency characteristics of a GNP-reinforced composite nanostructure. <i>Engineering With Computers</i> , 2022, 38, 1559-1580.	3.5	33
68	Dynamic response of the nonlocal strain-stress gradient in laminated polymer composites microtubes. <i>Scientific Reports</i> , 2020, 10, 5616.	1.6	33
69	Frequency and buckling responses of a high-speed rotating fiber metal laminated cantilevered microdisk. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 1475-1488.	1.5	30
70	Dynamic simulation of the ultra-fast-rotating sandwich cantilever disk via finite element and semi-numerical methods. <i>Engineering With Computers</i> , 2022, 38, 4127-4143.	3.5	30
71	On the buckling of the polymer-CNT-fiber nanocomposite annular system under thermo-mechanical loads. <i>Mechanics Based Design of Structures and Machines</i> , 2020, , 1-21.	3.4	29
72	Dynamic information of the time-dependent tobullian biomolecular structure using a high-accuracy size-dependent theory. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1-16.	2.0	29

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73	Wave dispersion characteristics of high-speed-rotating laminated nanocomposite cylindrical shells based on four continuum mechanics theories. <i>Waves in Random and Complex Media</i> , 2022, 32, 1599-1625.	1.6	28
74	Critical Temperature and Frequency Characteristics of GPLs-Reinforced Composite Doubly Curved Panel. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3251.	1.3	28
75	Amplitude motion and frequency simulation of a composite viscoelastic microsystem within modified couple stress elasticity. <i>Engineering With Computers</i> , 2022, 38, 3977-3991.	3.5	27
76	Bending analysis of FG-GPLRC axisymmetric circular/annular sector plates by considering elastic foundation and horizontal friction force using 3D-poroelasticity theory. <i>Composite Structures</i> , 2021, 276, 114438.	3.1	27
77	Semi-numerical simulation for vibrational responses of the viscoelastic imperfect annular system with honeycomb core under residual pressure. <i>Engineering With Computers</i> , 2022, 38, 3699-3724.	3.5	26
78	Vibrational responses of a MHC viscoelastic thick annular plate in thermal environment using GDQ method. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2688-2713.	3.4	25
79	On the modeling of bending responses of graphene-reinforced higher order annular plate via two-dimensional continuum mechanics approach. <i>Engineering With Computers</i> , 2022, 38, 703-724.	3.5	22
80	Wave propagation simulation in an electrically open shell reinforced with multi-phase nanocomposites. <i>Engineering With Computers</i> , 2022, 38, 629-645.	3.5	21
81	On the phase velocity simulation of the multi curved viscoelastic system via an exact solution framework. <i>Engineering With Computers</i> , 2022, 38, 353-369.	3.5	21
82	An intelligent computer method for vibration responses of the spinning multi-layer symmetric nanosystem using multi-physics modeling. <i>Engineering With Computers</i> , 2022, 38, 4217-4238.	3.5	20
83	Prediction of the bending and out-of-plane loading effects on formability response of the steel sheets. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	1.9	19
84	Influence of in-plane loading on the vibrations of the fully symmetric mechanical systems via dynamic simulation and generalized differential quadrature framework. <i>Engineering With Computers</i> , 2022, 38, 3675-3697.	3.5	17
85	Enhancing vibration performance of a spinning smart nanocomposite reinforced microstructure conveying fluid flow. <i>Engineering With Computers</i> , 2022, 38, 4097-4112.	3.5	16
86	A comprehensive mathematical simulation of the composite size-dependent rotary 3D microsystem via two-dimensional generalized differential quadrature method. <i>Engineering With Computers</i> , 2022, 38, 4181-4196.	3.5	16
87	An innovation in finite element simulation via crystal plasticity assessment of grain morphology effect on sheet metal formability. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 1937-1951.	0.7	16
88	Nonlinear forced vibrations of nanocomposite-reinforced viscoelastic thick annular system under hygrothermal environment. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 4021-4047.	3.4	13
89	On the vibrations of a high-speed rotating multi-hybrid nanocomposite reinforced cantilevered microdisk. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 4157-4185.	3.4	13
90	Large-amplitude dynamical behavior of multilayer graphene platelets reinforced nanocomposite annular plate under thermo-mechanical loadings. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 3722-3746.	3.4	13

#	ARTICLE	IF	CITATIONS
91	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