Ali Dabbagh

List of Publications by Citations

57 papers	1,224 citations	20 h-index	33 g-index
58 ext. papers	1,520 ext. citations	3 avg, IF	6.05 L-index

#	Paper	IF	Citations
57	A nonlocal strain gradient theory for wave propagation analysis in temperature-dependent inhomogeneous nanoplates. *International Journal of Engineering Science*, **2016**, 107, 169-182	5.7	234
56	On flexural wave propagation responses of smart FG magneto-electro-elastic nanoplates via nonlocal strain gradient theory. *Composite Structures*, **2017**, 162, 281-293	5.3	75
55	Vibration analysis of multi-scale hybrid nanocomposite plates based on a Halpin-Tsai homogenization model. *Composites Part B: Engineering*, **2019**, 173, 106955	10	58
54	Nonlocal strain gradient based wave dispersion behavior of smart rotating magneto-electro-elastic nanoplates. *Materials Research Express*, **2017**, 4, 025003	1.7	47
53	Wave dispersion characteristics of axially loaded magneto-electro-elastic nanobeams. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	39
52	Finite element vibration analysis of multi-scale hybrid nanocomposite beams via a refined beam theory. *Thin-Walled Structures*, **2019**, 140, 304-317	4.7	35
51	On thermo-mechanical vibration analysis of multi-scale hybrid composite beams. *JVC/Journal of Vibration and Control*, **2019**, 25, 933-945	2	32
50	Modeling vibration behavior of embedded graphene-oxide powder-reinforced nanocomposite plates in thermal environment. *Mechanics Based Design of Structures and Machines*, **2020**, 48, 217-240	1.7	32
49	Wave propagation analysis of a size-dependent magneto-electro-elastic heterogeneous nanoplate. *European Physical Journal Plus*, **2016**, 131, 1	3.1	29
48	Vibration analysis of magnetically affected graphene oxide-reinforced nanocomposite beams. *JVC/Journal of Vibration and Control*, **2019**, 25, 2837-2849	2	28
47	Magnetorheological elastomer composites: Modeling and dynamic finite element analysis. *Composite Structures*, **2020**, 254, 112881	5.3	28
46	Free vibration analysis of multi-scale hybrid nanocomposite plates with agglomerated nanoparticles. *Mechanics Based Design of Structures and Machines*, **2021**, 49, 487-510	1.7	27
45	Vibration analysis of graphene oxide powder-/carbon fiber-reinforced multi-scale porous nanocomposite beams: A finite-element study. *European Physical Journal Plus*, **2019**, 134, 1	3.1	26
44	Wave propagation in embedded inhomogeneous nanoscale plates incorporating thermal effects. *Waves in Random and Complex Media*, **2018**, 28, 215-235	1.9	25
43	Thermal vibration analysis of embedded graphene oxide powder-reinforced nanocomposite plates. *Engineering With Computers*, **2020**, 36, 879-895	4.5	25
42	Wave propagation analysis of smart rotating porous heterogeneous piezo-electric nanobeams. *European Physical Journal Plus*, **2017**, 132, 1	3.1	24
41	Wave dispersion characteristics of rotating heterogeneous magneto-electro-elastic nanobeams based on nonlocal strain gradient elasticity theory. *Journal of Electromagnetic Waves and Applications*, **2018**, 32, 138-169	1.3	24

40	Thermal buckling analysis of agglomerated multiscale hybrid nanocomposites via a refined beam theory. *Mechanics Based Design of Structures and Machines*, **2021**, 49, 403-429	1.7	23
39	An analytical solution for static stability of multi-scale hybrid nanocomposite plates. *Engineering With Computers*, **2021**, 37, 545-559	4.5	23
38	A novel porosity-dependent homogenization procedure for wave dispersion in nonlocal strain gradient inhomogeneous nanobeams. *European Physical Journal Plus*, **2019**, 134, 1	3.1	21
37	On wave dispersion characteristics of magnetostrictive sandwich nanoplates in thermal environments. *European Journal of Mechanics, A/Solids*, **2021**, 85, 104130	3.7	20
36	Thermo-magnetic field effects on the wave propagation behavior of smart magnetostrictive sandwich nanoplates. *European Physical Journal Plus*, **2018**, 133, 1	3.1	19
35	Effect of humid-thermal environment on wave dispersion characteristics of single-layered graphene sheets. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	19
34	Wave propagation analysis of embedded nanoplates based on a nonlocal strain gradient-based surface piezoelectricity theory. *European Physical Journal Plus*, **2017**, 132, 1	3.1	19
33	Viscoelastic wave propagation analysis of axially motivated double-layered graphene sheets via nonlocal strain gradient theory. *Waves in Random and Complex Media*, **2020**, 30, 157-176	1.9	19
32	Wave dispersion characteristics of agglomerated multi-scale hybrid nanocomposite beams. *Journal of Strain Analysis for Engineering Design*, **2019**, 54, 276-289	1.3	18
31	Vibration analysis of porous metal foam shells rested on an elastic substrate. *Journal of Strain Analysis for Engineering Design*, **2019**, 54, 199-208	1.3	16
30	On wave dispersion characteristics of double-layered graphene sheets in thermal environments. *Journal of Electromagnetic Waves and Applications*, **2018**, 32, 1869-1888	1.3	15
29	Agglomeration Effects on Static Stability Analysis of Multi-Scale Hybrid Nanocomposite Plates. *Computers, Materials and Continua*, **2020**, 62, 41-64	3.9	15
28	Magnetic field effects on thermally affected propagation of acoustical waves in rotary double-nanobeam systems. *Waves in Random and Complex Media*, **2021**, 31, 25-45	1.9	15
27	Magneto-/ electro-responsive polymers toward manufacturing, characterization, and biomedical/ soft robotic applications. *Applied Materials Today*, **2022**, 26, 101306	6.6	14
26	Wave dispersion characteristics of heterogeneous nanoscale beams via a novel porosity-based homogenization scheme. *European Physical Journal Plus*, **2019**, 134, 1	3.1	13
25	Wave propagation analysis of magnetostrictive sandwich composite nanoplates via nonlocal strain gradient theory. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2018**, 232, 4180-4192	1.3	13
24	Mechanics of Nanocomposites		13
23	Static stability analysis of multi-scale hybrid agglomerated nanocomposite shells. *Mechanics Based Design of Structures and Machines*, **2020**, 1-17	1.7	13

22	Static stability analysis of agglomerated multi-scale hybrid nanocomposites via a refined theory. *Engineering With Computers*, **2020**, 37, 2225	4.5	12
21	Post-buckling analysis of imperfect multi-scale hybrid nanocomposite beams rested on a nonlinear stiff substrate. *Engineering With Computers*, **2020**, 1	4.5	11
20	A machine learning-based model for the estimation of the temperature-dependent moduli of graphene oxide reinforced nanocomposites and its application in a thermally affected buckling analysis. *Engineering With Computers*, **2020**, 37, 2245	4.5	11
19	Buckling analysis of embedded graphene oxide powder-reinforced nanocomposite shells. *Defence Technology*, **2021**, 17, 226-233	3	11
18	Vibration analysis of porous metal foam plates rested on viscoelastic substrate. *Engineering With Computers*, **2020**, 37, 3727	4.5	10
17	Wave dispersion characteristics of embedded graphene platelets-reinforced composite microplates. *European Physical Journal Plus*, **2018**, 133, 1	3.1	10
16	Wave Propagation Analysis of Smart Nanostructures		9
15	Wave dispersion characteristics of orthotropic double-nanoplate-system subjected to a longitudinal magnetic field. *Microsystem Technologies*, **2018**, 24, 2929-2939	1.7	7
14	Vibration analysis of fluid-conveying multi-scale hybrid nanocomposite shells with respect to agglomeration of nanofillers. *Defence Technology*, **2021**, 17, 212-225	3	7
13	Application of the nonlocal strain gradient elasticity on the wave dispersion behaviors of inhomogeneous nanosize beams. *European Physical Journal Plus*, **2019**, 134, 1	3.1	6
12	Effect of viscoelastic properties of polymer and wavy shape of the CNTs on the vibrational behaviors of CNT/glass fiber/polymer plates. *Engineering With Computers*,1	4.5	6
11	Postbuckling analysis of meta-nanocomposite beams by considering the CNTs agglomeration. *European Physical Journal Plus*, **2021**, 136, 1	3.1	5
10	Thermo-mechanical wave dispersion analysis of nonlocal strain gradient single-layered graphene sheet rested on elastic medium. *Microsystem Technologies*, **2019**, 25, 587-597	1.7	4
9	Vibration analysis of multi-scale hybrid nanocomposite shells by considering nanofillers aggregation. *Waves in Random and Complex Media*, **2020**, 1-19	1.9	4
8	On modeling wave dispersion characteristics of protein lipid nanotubules. *Journal of Biomechanics*, **2018**, 77, 1-7	2.9	4
7	Wave dispersion in viscoelastic FG nanobeams via a novel spatial emporal nonlocal strain gradient framework. *Waves in Random and Complex Media*,1-23	1.9	4
6	A novel spatial emporal nonlocal strain gradient theorem for wave dispersion characteristics of FGM nanoplates. *Waves in Random and Complex Media*,1-20	1.9	3
5	Nonlinear forced vibrations of three-phase nanocomposite shells considering matrix rheological behavior and nano-fiber waviness. *Engineering With Computers*,1	4.5	1

List of Publications

4	Smart laminates with an auxetic ply rested on visco-Pasternak medium: Active control of the system oscillation. *Engineering With Computers*,1	4.5	1
3	The effects of thermal loadings on wave propagation analysis of multi-scale hybrid composite beams. *Waves in Random and Complex Media*,1-24	1.9	1
2	Effects of polymer viscoelastic properties and curved shape of the CNTs on the dynamic response of hybrid nanocomposite beams. *Waves in Random and Complex Media*,1-18	1.9	1
1	Wave Propagation Responses of Double-Layered Graphene Sheets in Hygrothermal Environment **2019**, 289-307		