

# Amin Pourasghar

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

760  
citations

471061

17  
h-index

525886

27  
g-index

34  
all docs

34  
docs citations

34  
times ranked

493  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional free vibration analysis of functionally graded nanocomposite cylindrical panels reinforced by carbon nanotube. <i>Materials &amp; Design</i> , 2013, 49, 583-590.	5.1	133
2	Effect of hyperbolic heat conduction on the linear and nonlinear vibration of CNT reinforced size-dependent functionally graded microbeams. <i>International Journal of Engineering Science</i> , 2019, 137, 57-72.	2.7	54
3	Free vibration analysis of functionally graded nanocomposite sandwich beams resting on Pasternak foundation by considering the agglomeration effect of CNTs. <i>Journal of Sandwich Structures and Materials</i> , 2015, 17, 632-665.	2.0	40
4	Effect of the aspect ratio and waviness of carbon nanotubes on the vibrational behavior of functionally graded nanocomposite cylindrical panels. <i>Polymer Composites</i> , 2012, 33, 2036-2044.	2.3	37
5	Eshelby-Mori-Tanaka approach for vibrational behavior of functionally graded carbon nanotube-reinforced plate resting on elastic foundation. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 3395-3401.	0.7	36
6	Local aggregation effect of CNT on the vibrational behavior of four-parameter continuous grading nanotube-reinforced cylindrical panels. <i>Polymer Composites</i> , 2013, 34, 707-721.	2.3	36
7	The effects of carbon nanotube orientation and aggregation on vibrational behavior of functionally graded nanocomposite cylinders by a mesh-free method. <i>Acta Mechanica</i> , 2013, 224, 2817-2832.	1.1	31
8	Static analysis of functionally graded carbon nanotube-reinforced composite cylinders by a mesh-free method. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 593-601.	1.6	30
9	Hyperbolic heat conduction and thermoelastic solution of functionally graded CNT reinforced cylindrical panel subjected to heat pulse. <i>International Journal of Solids and Structures</i> , 2019, 163, 117-129.	1.3	30
10	Dynamic analysis of functionally graded nanocomposite cylinders reinforced by wavy carbon nanotube under an impact load. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1062-1075.	1.5	25
11	Thermoelastic response of CNT reinforced cylindrical panel resting on elastic foundation using theory of elasticity. <i>Composites Part B: Engineering</i> , 2016, 99, 436-444.	5.9	25
12	Vibration analysis of functionally graded nanocomposite cylinders reinforced by wavy carbon nanotube based on mesh-free method. <i>Journal of Composite Materials</i> , 2014, 48, 1901-1913.	1.2	23
13	Application of imperialist competitive algorithm and neural networks to optimise the volume fraction of three-parameter functionally graded beams. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2014, 26, 1-12.	1.8	22
14	Three-dimensional analysis of carbon nanotube-reinforced cylindrical shells with temperature-dependent properties under thermal environment. <i>Polymer Composites</i> , 2018, 39, 1161-1171.	2.3	22
15	Free vibration analysis of three-parameter functionally graded material sandwich plates resting on Pasternak foundations. <i>Journal of Sandwich Structures and Materials</i> , 2013, 15, 292-308.	2.0	21
16	Application of firefly algorithm and ANFIS for optimisation of functionally graded beams. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2014, 26, 197-209.	1.8	21
17	Characterizing elastic properties of carbon nanotube-based composites by using an equivalent fiber. <i>Polymer Composites</i> , 2013, 34, 241-251.	2.3	17
18	Dynamic stability analysis of functionally graded nanocomposite non-uniform column reinforced by carbon nanotube. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 2499-2508.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Differential quadrature based nonlocal flapwise bending vibration analysis of rotating nanobeam using the eringen nonlocal elasticity theory under axial load. <i>Polymer Composites</i> , 2016, 37, 3175-3180.	2.3	16
20	Nonlinear vibration and modal analysis of FG nanocomposite sandwich beams reinforced by aggregated CNTs. <i>Polymer Engineering and Science</i> , 2019, 59, 1362-1370.	1.5	16
21	Vibrational behavior of nonuniform piezoelectric sandwich beams made of <sc>CNT</sc>-reinforced polymer nanocomposite by considering the agglomeration effect of <sc>CNT</sc>s. <i>Polymer Composites</i> , 2017, 38, E553.	2.3	15
22	Large deformation behavior of functionally graded porous curved beams in thermal environment. <i>Archive of Applied Mechanics</i> , 2021, 91, 2255-2278.	1.2	14
23	Free vibration analysis of functionally graded beams resting on variable elastic foundations using a generalized power-law distribution and GDQ method. <i>Annals of Solid and Structural Mechanics</i> , 2017, 9, 1-11.	0.5	12
24	Dual-phase-lag heat conduction in FG carbon nanotube reinforced polymer composites. <i>Physica B: Condensed Matter</i> , 2019, 564, 147-156.	1.3	10
25	Three-dimensional solution for the vibration analysis of functionally graded multiwalled carbon nanotubes/phenolic nanocomposite cylindrical panels on elastic foundation. <i>Polymer Composites</i> , 2013, 34, 2040-2048.	2.3	9
26	Dual-phase-lag heat conduction in the composites by introducing a new application of DQM. <i>Heat and Mass Transfer</i> , 2020, 56, 1171-1177.	1.2	9
27	Non-fourier thermal fracture analysis of a griffith interface crack in orthotropic functionally graded coating/substrate structure. <i>Applied Mathematical Modelling</i> , 2022, 104, 548-566.	2.2	8
28	Thermoviscoelastic fracture analysis of a cracked orthotropic fiber reinforced composite strip by the dual-phase-lag theory. <i>Composite Structures</i> , 2021, 258, 113194.	3.1	7
29	Heat waves interference regarding dual-phase-lag, hyperbolic and Fourier heat conduction in CNT reinforced composites under a thermal shock. <i>Waves in Random and Complex Media</i> , 2022, 32, 1198-1214.	1.6	6
30	Nonlocal thermoelasticity: Transient heat conduction effects on the linear and nonlinear vibration of single-walled carbon nanotubes. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 4929-4945.	3.4	5
31	Free vibration analysis and design optimization of nanocomposite-laminated beams using various higher order beam theories and imperialist competitive algorithm. <i>Polymer Composites</i> , 2016, 37, 2442-2451.	2.3	4
32	Nonlocal fracture analysis of an interface crack between a functionally graded coating and a homogeneous substrate under thermal loading. <i>Composite Structures</i> , 2021, 257, 113096.	3.1	4
33	Nonlocal heat conduction in single-walled carbon nanotubes. <i>Polymer Composites</i> , 2021, 42, 3418-3426.	2.3	3
34	Transient non-Fourier thermoelastic fracture analysis of a cracked orthotropic functionally graded strip. <i>Mathematics and Mechanics of Solids</i> , 0, , 108128652110246.	1.5	2