Fatemeh Sadeghi

List of Publications by Year in descending order

26 papers	315 citations	1039880 9 h-index	887953 17 g-index
26 all docs	26 docs citations	26 times ranked	158 citing authors

#	Article	IF	Citations
1	Free vibration of fractional viscoelastic Timoshenko nanobeams using the nonlocal elasticity theory. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 318-327.	1.3	66
2	Continuum and molecular dynamics study of C60 fullereneâ€“carbon nanotube oscillators. Mechanics Research Communications, 2013, 47, 18-23.	1.0	41
3	A comprehensive study on the oscillation frequency of spherical fullerenes in carbon nanotubes under different system parameters. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 769-784.	1.7	32
4	Molecular dynamics investigation into the electric charge effect on the operation of ion-based carbon nanotube oscillators. Journal of Physics and Chemistry of Solids, 2015, 85, 264-272.	1.9	29
5	On the Oscillation Frequency of Ellipsoidal Fullereneâ€“Carbon Nanotube Oscillators. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	20
6	Oscillation characteristics of carbon nanotori molecules along carbon nanotubes under various system parameters. European Journal of Mechanics, A/Solids, 2017, 62, 67-79.	2.1	15
7	Oscillatory characteristics of carbon nanotubes inside carbon nanotube bundles. Journal of Applied Physics, 2012, 112, .	1.1	14
8	Continuum study on the oscillatory characteristics of carbon nanocones inside single-walled carbon nanotubes. Physica B: Condensed Matter, 2016, 482, 28-37.	1.3	13
9	Mechanics of Ellipsoidal Carbon Onions Inside Multiwalled Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	10
10	Estimating the attributable risk of vascular disorders in different ranges of fasting plasma glucose and assessing the effectiveness of anti-diabetes agents on risk reduction; questioning the current diagnostic criteria. Journal of Diabetes and Metabolic Disorders, 2020, 19, 1423-1430.	0.8	10
11	Oscillatory characteristics of metallic nanoparticles inside lipid nanotubes. European Physical Journal D, 2015, 69, 1.	0.6	9
12	Continuum modeling of ion-selective membranes constructed from functionalized carbon nanotubes. European Physical Journal Plus, 2020, 135, 1.	1.2	9
13	Potential energy, force distribution and oscillatory motion of chloride ion inside electrically charged carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 80, 69-81.	1.3	6
14	ON THE MECHANICS OF ELLIPSOIDAL FULLERENES INSIDE OPEN CARBON NANOCONES: A NOVEL NUMERICAL APPROACH. Nano, 2014, 09, 1450034.	0.5	5
15	Mechanical oscillatory behavior of a C60 fullerene tunneling through open carbon nanocones. European Physical Journal Plus, 2017, 132, 1.	1.2	5
16	Preferred Position and Orientation of Anticancer Drug Cisplatin During Encapsulation Into Single-Walled Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	4
17	Van der Waals interactions and oscillatory behaviour of carbon onions interacting with a fully constrained graphene sheet. Bulletin of Materials Science, 2021, 44, 1.	0.8	4
18	Dynamic behavior of chloride ion-electrically charged open carbon nanocone oscillators: A molecular dynamics study. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 5709-5717.	1.1	4

#	Article	IF	Citations
19	Size-dependent free vibration and buckling analysis of magneto-electro-thermo-elastic nanoplates based on the third-order shear deformable nonlocal plate model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8116-8133.	1.1	4
20	Gigahertz nanomechanical oscillators based on ions inside cyclic peptide nanotubes: a continuum study. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	0.7	3
21	Continuum modeling investigation of gigahertz oscillators based on a C60 fullerene inside cyclic peptide nanotubes. European Physical Journal Plus, 2016, 131, 1.	1.2	3
22	Surface and Nonlocal Effects on the Thermoelastic Damping in Axisymmetric Vibration of Circular Graphene Nanoresonators. Acta Mechanica Solida Sinica, 0, , 1.	1.0	3
23	A detailed parametric study on the operating frequency of chloride ion-electrically charged carbon nanotube oscillators. Bulletin of Materials Science, 2019, 42, 1.	0.8	2
24	Nano-oscillators based on a C60 fullerene inside open carbon nanocones: a molecular dynamics study. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	2
25	Continuum study on the mechanics of ion-based carbon nanocones as gigahertz oscillators. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3259-3276.	1.1	1
26	Encapsulation of immobilized lysozyme enzyme inside various types of nanotubes: a continuum study. European Physical Journal Plus, 2022, 137, .	1.2	1