Mitesh B Panchal

List of Publications by Year
in descending order

25	183	1039406 9	1058022 14
papers	citations	h-index	g-index

26	26	26	130
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of built-in tension due to variation in temperature on natural frequency of graphene nano ribbon resonator. Materials Today: Proceedings, 2021, 47, 686-690.	0.9	1
2	Vibro-acoustic Analysis of Simple Vehicle Cabin Using Finite Element Method. Lecture Notes in Mechanical Engineering, 2021, , 117-123.	0.3	0
3	Size-Dependent Natural Frequency Variation Analysis of Single-Layer Graphene Sheet. Lecture Notes in Mechanical Engineering, 2021, , 1-10.	0.3	0
4	Effect of interphase on elastic and shear moduli of metal matrix nanocomposites. European Physical Journal Plus, 2020, 135, 1.	1.2	9
5	Design and Analysis of Reciprocating Screw for Injection Moulding Machine. Lecture Notes in Mechanical Engineering, 2019, , 573-584.	0.3	0
6	Vibrational characterization of wavy atomic structures of single walled boron nitride nanotubes. European Physical Journal Plus, 2019, 134, 1.	1.2	3
7	Design analysis of rotary turret of poucher machine. Perspectives in Science, 2016, 8, 310-312.	0.6	1
8	Boron Nitride Nanotube as a Nano-mechanical Biosensor: A Computational Approach. Biosensors Journal, 2015, s4, .	0.4	0
9	Effect of chirality and point defect on resonant characterization of single-walled boron nitride nanotube-based mass sensor. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2015, 229, 85-95.	0.1	0
10	Boron Nitride Nanotube-Based Mass Sensing of Zeptogram Scale. Spectroscopy Letters, 2015, 48, 17-21.	0.5	8
11	Continuum Solid Modeling based FEM Simulation Approach for Single Walled Boron Nitride Nanotube based Biosensing. , 2014, 5, 2-10.		1
12	Single walled boron nitride nanotubeâ€based biosensor: an atomistic finite element modelling approach. IET Nanobiotechnology, 2014, 8, 149-156.	1.9	13
13	Boron nitride nanotubeâ€based biosensing of various bacterium/viruses: continuum modellingâ€based simulation approach. IET Nanobiotechnology, 2014, 8, 143-148.	1.9	15
14	Boron nitride nanotube-based biosensor for acetone detection: molecular structural mechanics-based simulation. Molecular Simulation, 2014, 40, 1035-1042.	0.9	18
15	Vibrational characteristics of defective single walled BN nanotube based nanomechanical mass sensors: Extended defect or dislocation line. Sensors and Actuators A: Physical, 2013, 203, 160-167.	2.0	11
16	Cantilevered single walled boron nitride nanotube based nanomechanical resonators of zigzag and armchair forms. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 50, 73-82.	1.3	20
17	Vibrational characteristics of defective single walled BN nanotube based nanomechanical mass sensors: single atom vacancies and divacancies. Sensors and Actuators A: Physical, 2013, 197, 111-121.	2.0	18
18	AN EFFICIENT FINITE ELEMENT MODEL FOR ANALYSIS OF SINGLE WALLED BORON NITRIDE NANOTUBE-BASED RESONANT NANOMECHANICAL SENSORS. Nano, 2013, 08, 1350011.	0.5	12

#	Article	IF	Citations
19	Vibrational Analysis of Zigzag and Armchair Fixed Free Single Walled Boron Nitride Nanotubes: Atomistic Modeling Approach. Current Nanoscience, 2013, 9, 254-261.	0.7	7
20	Effect of Chirality on Resonant Behavior of Single Walled BN Nanotube Based Nanomechanical Resonator. Current Nanoscience, 2013, 9, 525-531.	0.7	3
21	MASS DETECTION USING SINGLE WALLED BORON NITRIDE NANOTUBE AS A NANOMECHANICAL RESONATOR. Nano, 2012, 07, 1250029.	0.5	17
22	Vibration Analysis of Single Walled Boron Nitride Nanotube Based Nanoresonators. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	17
23	Doubly-Clamped Single Walled Boron Nitride Nanotube Based Nanomechanical Resonators: A Computational Investigation of Their Behavior. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	8
24	Lamb Wave Based Sensor Network for Identification of Damages in Plate Structures. , 2009, , .		1
25	Ultrasonic Signal Sensitivity due to Crack Parameters and Computational Approach Based on Wavelet Energy Correlated Damage Index. , 2008, , .		0