Anand Y Joshi

List of Publications by Year
in descending order

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46	614	758635	642321
papers	citations	12	23
		h-index	g-index

47	47	47	333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vibration signature analysis of single walled carbon nanotube based nanomechanical sensors. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2115-2123.	1.3	105
2	A systematic review on powder mixed electrical discharge machining. Heliyon, 2019, 5, e02963.	1.4	96
3	Zeptogram scale mass sensing using single walled carbon nanotube based biosensors. Sensors and Actuators A: Physical, 2011, 168, 275-280.	2.0	45
4	Vibration analysis of double wall carbon nanotube based resonators for zeptogram level mass recognition. Computational Materials Science, 2013, 79, 230-238.	1.4	35
5	Brain computer interface: A review. , 2015, , .		27
6	Effect of Waviness on the Dynamic Characteristics of Double Walled Carbon Nanotubes. Nanoscience and Nanotechnology Letters, 2014, 6, 1-9.	0.4	27
7	Investigating the influence of surface deviations in double walled carbon nanotube based nanomechanical sensors. Computational Materials Science, 2014, 89, 157-164.	1.4	26
8	Dynamic Analysis of a Clamped Wavy Single Walled Carbon Nanotube Based Nanomechanical Sensors. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	23
9	CHAOTIC RESPONSE ANALYSIS OF SINGLE-WALLED CARBON NANOTUBE DUE TO SURFACE DEVIATIONS. Nano, 2012, 07, 1250008.	0.5	19
10	Vibration Response Analysis of Doubly Clamped Single Walled Wavy Carbon Nanotube Based Nanomechanical Sensors. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	17
11	The effect of pinhole defect on vibrational characteristics of single walled carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1040-1045.	1.3	16
12	Effect of chirality and atomic vacancies on dynamics of nanoresonators based on SWCNT. Sensor Review, 2011, 31, 47-57.	1.0	14
13	Modeling and Analysis of a Manufacturing System with Deadlocks to Generate the Reachability Tree Using Petri Net System. Procedia Engineering, 2013, 64, 775-784.	1.2	12
14	Influence of atomic vacancies on the dynamic characteristics of nanoresonators based on double walled carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 70, 90-100.	1.3	12
15	Analysis of Crack Propagation in Fixed-Free Single-Walled Carbon Nanotube Under Tensile Loading Using XFEM. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	11
16	Investigation of Double Walled Carbon Nanotubes for Mass Sensing. Procedia Technology, 2014, 14, 290-294.	1.1	11
17	Characterizing the vibration behavior of double walled carbon nano cones for sensing applications. Materials Technology, 2018, 33, 451-466.	1.5	10
18	Detection of biological objects using dynamic characteristics of double-walled carbon nanotubes. Applied Nanoscience (Switzerland), 2015, 5, 681-695.	1.6	9

#	Article	IF	Citations
19	Characterizing the nonlinear behaviour of double walled carbon nanotube based nano mass sensor. Microsystem Technologies, 2017, 23, 1879-1889.	1.2	9
20	Nonlinear Dynamic Analysis of Single-Walled Carbon Nanotube Based Mass Sensor. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	8
21	Effect of Stone-wales and Vacancy Defect in Double Walled Carbon Nanotube for Mass Sensing. Procedia Technology, 2016, 23, 122-129.	1.1	8
22	An approach to modelling and simulation of single-walled carbon nanocones for sensing applications. AIMS Materials Science, 2017, 4, 1010-1028.	0.7	8
23	Dynamic analysis of fixed-free single-walled carbon nanotube-based bio-sensors because of various viruses. IET Nanobiotechnology, 2012, 6, 115.	1.9	6
24	A Review on Defects in Carbon Nanotubes. Applied Mechanics and Materials, 2015, 813-814, 145-150.	0.2	6
25	Investigating the elastic behavior of carbon nanocone reinforced nanocomposites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 2908-2922.	1.1	6
26	Feasibility Analysis of Powder-Mixed Deionized Water as Dielectric for Machining Ti6Al4V. Journal of the Institution of Engineers (India): Series C, 2021, 102, 337-347.	0.7	6
27	Investigating the mechanical properties of nonfunctionalized MWCNT reinforced polymer nanocomposites. Materials Today: Proceedings, 2021, 43, 3511-3515.	0.9	5
28	Evaluating the Vibrational Characteristics of Double Walled Carbon Nanotubes with Pinhole Defects. Current Nanoscience, 2015, 11, 371-378.	0.7	5
29	Experimental Investigation and Optimization of Process Parameters Used in the Silicon Powder Mixed Electro Discharge Machining of Ti-6Al-4V Alloy Using Response Surface Methodology. Journal for Manufacturing Science and Production, 2016, 16, 21-32.	0.1	4
30	Multi response optimization of PMEDM of Ti6Al4V using Al2O3 and SiC powder added de-ionized water as dielectric medium using grey relational analysis. SN Applied Sciences, 2021, 3, 1.	1.5	4
31	The Effect of Pinhole Defect on Dynamic Characteristics of Single Walled Carbon Nanotube Based Mass Sensors. Journal of Computational and Theoretical Nanoscience, 2011, 8, 776-782.	0.4	3
32	Computational Investigation of Mass Sensing Using Defective Double Walled Carbon Nanotubes. , 2014, 5, 482-488.		3
33	Modelling the nonlinear behaviour of double walled carbon nanotube based resonator with curvature factors. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 98-107.	1.3	3
34	Atomistic Finite Element Modeling and Analysis of pinholes in Double Walled Carbon Nanotube based mass sensor. Materials Today: Proceedings, 2016, 3, 1438-1443.	0.9	3
35	Classifying the impact of progressively evacuating hexagonal lattices of C-C bond in DWCNT-based nano resonators. Materials Technology, 2017, 32, 773-781.	1.5	2
36	Analyzing the Dynamic Characteristics of Doubleâ€Walled Carbon Nanotube Reinforced Polymer Nanocomposites. , 2021, , 429-463.		2

#	Article	IF	Citations
37	The Dynamic Behaviour of Chiral, Fixed-Free, Single-Walled Carbon Nanotube-Based Nanomechanical Mass Sensors Due to Atomic Vacancies. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2009, 223, 45-56.	0.1	1
38	Vibration Analysis of Defective Double Walled Carbon Nanotube Based Nano Resonators. , 2014, , .		1
39	Experimental Research on Performance of Electrochemical Machining Process on Hard Material (Carbon Steel EN9) and Soft Material (Copper). Applied Mechanics and Materials, 0, 704, 48-57.	0.2	1
40	Prediction of Fracture Pattern in Defective Single Walled Carbon Nanotubes Using Molecular Structural Mechanics. Procedia Technology, 2016, 23, 114-121.	1.1	1
41	Effect of Chirality and Vacancies on Nanoresonators Based on Double Walled Carbon Nanotube. Advanced Science Letters, 2016, 22, 859-863.	0.2	1
42	Sensing the Presence and Amount of Microbes Using Double Walled Carbon Nanotubes. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 78-117.	0.3	1
43	Zeptogram Mass Detection Using Triple Walled Carbon Nanotubes. Current Nanoscience, 2017, 13, 281-291.	0.7	1
44	Evaluating the Fracture Pattern in Defective DWCNT Using Molecular Structural Mechanics Approach. Current Nanomaterials, 2018, 2, 110-115.	0.2	0
45	An Investigation of Mass Sensitivity of Fixed Free Single Walled Carbon Nanotube Based Nano Mechanical Sensors. Current Nanoscience, 2010, 6, 598-603.	0.7	0
46	Analyzing the Dynamic Characteristics of Doubleâ€Walled Carbon Nanotube Reinforced Polymer Nanocomposites. , 2020, , 1-35.		0