

Anand Y Joshi

List of Publications by Year in descending order

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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. | 2.7 | 105 |
| 2 | A systematic review on powder mixed electrical discharge machining. Heliyon, 2019, 5, e02963. | 3.2 | 96 |
| 3 | Zeptogram scale mass sensing using single walled carbon nanotube based biosensors. Sensors and Actuators A: Physical, 2011, 168, 275-280. | 4.1 | 45 |
| 4 | Vibration analysis of double wall carbon nanotube based resonators for zeptogram level mass recognition. Computational Materials Science, 2013, 79, 230-238. | 3.0 | 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. | 3.0 | 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. | 1.0 | 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. | 2.7 | 16 |
| 12 | Effect of chirality and atomic vacancies on dynamics of nanoresonators based on SWCNT. Sensor Review, 2011, 31, 47-57. | 1.8 | 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. | 2.7 | 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. | 3.0 | 10 |
| 18 | Detection of biological objects using dynamic characteristics of double-walled carbon nanotubes. Applied Nanoscience (Switzerland), 2015, 5, 681-695. | 3.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Characterizing the nonlinear behaviour of double walled carbon nanotube based nano mass sensor. <i>Microsystem Technologies</i> , 2017, 23, 1879-1889. | 2.0 | 9 |
| 20 | Nonlinear Dynamic Analysis of Single-Walled Carbon Nanotube Based Mass Sensor. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011, 2, . | 0.8 | 8 |
| 21 | Effect of Stone-wales and Vacancy Defect in Double Walled Carbon Nanotube for Mass Sensing. <i>Procedia Technology</i> , 2016, 23, 122-129. | 1.1 | 8 |
| 22 | An approach to modelling and simulation of single-walled carbon nanocones for sensing applications. <i>AIMS Materials Science</i> , 2017, 4, 1010-1028. | 1.4 | 8 |
| 23 | Dynamic analysis of fixed-free single-walled carbon nanotube-based bio-sensors because of various viruses. <i>IET Nanobiotechnology</i> , 2012, 6, 115. | 3.8 | 6 |
| 24 | A Review on Defects in Carbon Nanotubes. <i>Applied Mechanics and Materials</i> , 2015, 813-814, 145-150. | 0.2 | 6 |
| 25 | Investigating the elastic behavior of carbon nanocone reinforced nanocomposites. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 2908-2922. | 2.1 | 6 |
| 26 | Feasibility Analysis of Powder-Mixed Deionized Water as Dielectric for Machining Ti6Al4V. <i>Journal of the Institution of Engineers (India): Series C</i> , 2021, 102, 337-347. | 1.2 | 6 |
| 27 | Investigating the mechanical properties of nonfunctionalized MWCNT reinforced polymer nanocomposites. <i>Materials Today: Proceedings</i> , 2021, 43, 3511-3515. | 1.8 | 5 |
| 28 | Evaluating the Vibrational Characteristics of Double Walled Carbon Nanotubes with Pinhole Defects. <i>Current Nanoscience</i> , 2015, 11, 371-378. | 1.2 | 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. <i>Journal for Manufacturing Science and Production</i> , 2016, 16, 21-32. | 0.1 | 4 |
| 30 | Multi response optimization of PMEDM of Ti6Al4V using Al ₂ O ₃ and SiC powder added de-ionized water as dielectric medium using grey relational analysis. <i>SN Applied Sciences</i> , 2021, 3, 1. | 2.9 | 4 |
| 31 | The Effect of Pinhole Defect on Dynamic Characteristics of Single Walled Carbon Nanotube Based Mass Sensors. <i>Journal of Computational and Theoretical Nanoscience</i> , 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. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 84, 98-107. | 2.7 | 3 |
| 34 | Atomistic Finite Element Modeling and Analysis of pinholes in Double Walled Carbon Nanotube based mass sensor. <i>Materials Today: Proceedings</i> , 2016, 3, 1438-1443. | 1.8 | 3 |
| 35 | Classifying the impact of progressively evacuating hexagonal lattices of C-C bond in DWCNT-based nano resonators. <i>Materials Technology</i> , 2017, 32, 773-781. | 3.0 | 2 |
| 36 | Analyzing the Dynamic Characteristics of Double-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. | 1.2 | 1 |
| 44 | Evaluating the Fracture Pattern in Defective DWCNT Using Molecular Structural Mechanics Approach. Current Nanomaterials, 2018, 2, 110-115. | 0.4 | 0 |
| 45 | An Investigation of Mass Sensitivity of Fixed Free Single Walled Carbon Nanotube Based Nano Mechanical Sensors. Current Nanoscience, 2010, 6, 598-603. | 1.2 | 0 |
| 46 | Analyzing the Dynamic Characteristics of Double-Walled Carbon Nanotube Reinforced Polymer Nanocomposites. , 2020, , 1-35. | | 0 |