

Prasantha R Mudimela

List of Publications by Year in descending order

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27
papers

806
citations

687363

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677142

22
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28
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docs citations

28
times ranked

1286
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Finite Element Analysis of Graphene Oxide Hinge Structure-based RF NEM Switch. IETE Journal of Research, 2023, 69, 967-974. | 2.6 | 7 |
| 2 | Comprehensive study of RF analysis of G/GO-based NEMS shunt switch. Microsystem Technologies, 2022, 28, 1069-1075. | 2.0 | 2 |
| 3 | Graphene cantilever-based digital logic gates. Journal of Computational Electronics, 2021, 20, 81-87. | 2.5 | 6 |
| 4 | User Centric Hospital Automation System Using Intranet. , 2021, , . | | 0 |
| 5 | Performance Analysis of NEMS Switch Using Graphene Derivative Based Composite Beam. IEEE Nanotechnology Magazine, 2021, 20, 441-448. | 2.0 | 3 |
| 6 | 3D modeling of graphene oxide based nanoelectromechanical capacitive switch. Microsystem Technologies, 2020, 26, 2931-2937. | 2.0 | 7 |
| 7 | Pull-in response and eigen frequency analysis of graphene oxide-based NEMS switch. Materials Today: Proceedings, 2020, 28, 196-200. | 1.8 | 8 |
| 8 | Simulation of MOSFET with Different Dielectric Films. , 2018, , . | | 7 |
| 9 | Mathematical and Behaviors Approach to reduce Phase Noise of Frequency Synthesizer. , 2018, , . | | 0 |
| 10 | Tuning electronic properties of carbon nanotubes by nitrogen grafting: Chemistry and chemical stability. Carbon, 2015, 83, 118-127. | 10.3 | 54 |
| 11 | Gas sensing with gold-decorated vertically aligned carbon nanotubes. Beilstein Journal of Nanotechnology, 2014, 5, 910-918. | 2.8 | 35 |
| 12 | Nitrogen ion casting on vertically aligned carbon nanotubes: Tip and sidewall chemical modification. Carbon, 2014, 77, 319-328. | 10.3 | 43 |
| 13 | Single Crystalline Films of Zinc Oxide for Nanorod Applications. Environmental Science and Engineering, 2014, , 775-777. | 0.2 | 0 |
| 14 | Measurement of optical second-harmonic generation from an individual single-walled carbon nanotube. New Journal of Physics, 2013, 15, 083043. | 2.9 | 15 |
| 15 | Single-walled carbon nanotube networks for ethanol vapor sensing applications. Nano Research, 2013, 6, 77-86. | 10.4 | 36 |
| 16 | Second-harmonic Generation Microscopy of Carbon Nanotubes. , 2012, , . | | 0 |
| 17 | Single-Walled Carbon Nanotube Network Field Effect Transistor as a Humidity Sensor. Journal of Sensors, 2012, 2012, 1-7. | 1.1 | 13 |
| 18 | Selective chemical functionalization of carbon nanobuds. Carbon, 2012, 50, 4171-4174. | 10.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Morphology and structure of carbon nanotubes synthesized on iron catalyst in the presence of carbon monoxide. <i>Nanotechnologies in Russia</i> , 2010, 5, 198-208. | 0.7 | 2 |
| 20 | Direct Synthesis of Carbon Nanofibers on Cement Particles. <i>Transportation Research Record</i> , 2010, 2142, 96-101. | 1.9 | 41 |
| 21 | Femtosecond Four-Wave-Mixing Spectroscopy of Suspended Individual Semiconducting Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 6780-6786. | 14.6 | 17 |
| 22 | SEM/AFM studies of cementitious binder modified by MWCNT and nano-sized Fe needles. <i>Materials Characterization</i> , 2009, 60, 735-740. | 4.4 | 89 |
| 23 | Simple and rapid synthesis of Fe_2O_3 nanowires under ambient conditions. <i>Nano Research</i> , 2009, 2, 373-379. | 10.4 | 208 |
| 24 | Incremental Variation in the Number of Carbon Nanotube Walls with Growth Temperature. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2212-2218. | 3.1 | 22 |
| 25 | A novel cement-based hybrid material. <i>New Journal of Physics</i> , 2009, 11, 023013. | 2.9 | 108 |
| 26 | Synthesis of Carbon Nanotubes and Nanofibers on Silica and Cement Matrix Materials. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-4. | 2.7 | 50 |
| 27 | Properties of high yield synthesised carbon nano fibres/Portland cement composite. <i>Advances in Cement Research</i> , 2009, 21, 141-146. | 1.6 | 22 |