

# Mukul Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

2,752  
citations

361413

20  
h-index

377865

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3674  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Chemical Vapor Deposition of Carbon Nanotubes: A Review on Growth Mechanism and Mass Production. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3739-3758.  | 0.9  | 1,124     |
| 2  | Growing carbon nanotubes. <i>Materials Today</i> , 2004, 7, 22-29.  | 14.2 | 180       |
| 3  | Controlling the diameter distribution of carbon nanotubes grown from camphor on a zeolite support. <i>Carbon</i> , 2005, 43, 533-540.   | 10.3 | 150       |
| 4  | A simple method of producing aligned carbon nanotubes from an unconventional precursor "Camphor. <i>Chemical Physics Letters</i> , 2003, 374, 521-526.  | 2.6  | 126       |
| 5  | Tailoring the field emission property of nitrogen-doped carbon nanotubes by controlling the graphitic/pyridinic substitution. <i>Carbon</i> , 2010, 48, 191-200.  | 10.3 | 122       |
| 6  | Single-wall and multi-wall carbon nanotubes from camphor—a botanical hydrocarbon. <i>Diamond and Related Materials</i> , 2003, 12, 1845-1850.   | 3.9  | 115       |
| 7  | Micro-structural, electron-spectroscopic and field-emission studies of carbon nitride nanotubes grown from cage-like and linear carbon sources. <i>Carbon</i> , 2009, 47, 1565-1575.                                | 10.3 | 102       |
| 8  | Growth of vertically aligned carbon nanotubes on silicon and quartz substrate by spray pyrolysis of a natural precursor: Turpentine oil. <i>Chemical Physics Letters</i> , 2005, 414, 6-10.                         | 2.6  | 95        |
| 9  | Carbon nanotubes by spray pyrolysis of turpentine oil at different temperatures and their studies. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 184-190.   | 4.4  | 91        |
| 10 | Camphor—a botanical precursor producing garden of carbon nanotubes. <i>Diamond and Related Materials</i> , 2003, 12, 998-1002.  | 3.9  | 65        |
| 11 | The use of camphor-grown carbon nanotube array as an efficient field emitter. <i>Carbon</i> , 2007, 45, 1899-1904.  | 10.3 | 65        |
| 12 | Controllable growth of highly N-doped carbon nanotubes from imidazole: a structural, spectroscopic and field emission study. <i>Journal of Materials Chemistry</i> , 2010, 20, 4128.                                | 6.7  | 54        |
| 13 | Carbon Nanotubes from Camphor: An Environment-Friendly Nanotechnology. <i>Journal of Physics: Conference Series</i> , 2007, 61, 643-646.  | 0.4  | 53        |
| 14 | Fabrication of ZnO Nanospikes and Nanopillars on ITO Glass by Templateless Seed-Layer-Free Electrodeposition and Their Field-Emission Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 789-796. | 8.0  | 53        |
| 15 | Field emission from camphor-pyrolyzed carbon nanotubes. <i>Chemical Physics Letters</i> , 2004, 385, 161-165.   | 2.6  | 50        |
| 16 | One-Dimensional and Two-Dimensional ZnO Nanostructured Materials on a Plastic Substrate and Their Field Emission Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7093-7096.                         | 3.1  | 47        |
| 17 | Carbon Nanotube Synthesis and Growth Mechanism. , 0, , .  |      | 38        |
| 18 | Nitrogen-Mediated Wet-Chemical Formation of Carbon Nitride/ZnO Heterojunctions for Enhanced Field Emission. <i>Langmuir</i> , 2010, 26, 5527-5533.  | 3.5  | 36        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Facile Decoration of Platinum Nanoparticles on Carbon-Nitride Nanotubes via Microwave-Assisted Chemical Reduction and Their Optimization for Field-Emission Application. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5107-5112. | 3.1 | 26        |
| 20 | Gigas Growth of Carbon Nanotubes. <i>Defence Science Journal</i> , 2008, 58, 496-503.   | 0.8 | 26        |
| 21 | Effect of pyrolyzing time and temperature on the bandgap of camphor-pyrolyzed semiconducting carbon films. <i>Materials Chemistry and Physics</i> , 1998, 56, 284-288.  | 4.0 | 22        |
| 22 | Carbon nanotubes from camphor by catalytic cvd. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 387, 117-121.   | 0.9 | 21        |
| 23 | Synthesis of conducting fibers, nanotubes, and thin films of carbon from commercial kerosene. <i>Materials Research Bulletin</i> , 1999, 34, 791-801.   | 5.2 | 16        |
| 24 | Nano-Octopus: A New Form of Branching Carbon Nanofiber. <i>Journal of Nanoscience and Nanotechnology</i> , 2003, 3, 215-217.  | 0.9 | 15        |
| 25 | Semiconducting carbon films from a natural source: camphor. <i>Diamond and Related Materials</i> , 1999, 8, 485-489.  | 3.9 | 13        |
| 26 | Study of camphor-pyrolysed carbon electrode in a lithium rechargeable cell. <i>Materials Chemistry and Physics</i> , 2000, 66, 83-89.   | 4.0 | 10        |
| 27 | Lithium-Ion Intercalation into Carbons Derived from Pyrolysis of Camphor. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 523-528.   | 0.3 | 7         |
| 28 | Short-Range to Long-Range Ordering Reactions in a Ni-25Mo-8Cr Alloy. <i>Materials Research Society Symposia Proceedings</i> , 1990, 213, 187.   | 0.1 | 6         |
| 29 | VERTICALLY ALIGNED CARBON NANOTUBES AT DIFFERENT TEMPERATURES BY SPRAY PYROLYSIS TECHNIQUES. <i>International Journal of Modern Physics B</i> , 2006, 20, 4965-4972.  | 2.0 | 6         |
| 30 | New light to illuminate the world!!! Hearty congratulations to our Associate Editor Professor Hiroshi Amano on getting Nobel Prize!!!. <i>Materials Express</i> , 2015, 5, 1-2.   | 0.5 | 6         |
| 31 | Electrochemical studies of kerosene-pyrolysed carbon films. <i>Journal of Applied Electrochemistry</i> , 1998, 28, 1399-1403.   | 2.9 | 3         |
| 32 | Electron field emission from carbon films grown from pyrolysis of kerosene. <i>Diamond and Related Materials</i> , 2001, 10, 883-888.   | 3.9 | 3         |
| 33 | Application of Carbon Nanotubes to Nylon Composite. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AF04.  | 1.5 | 2         |
| 34 | A Special Issue on Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3723-3725.  | 0.9 | 1         |
| 35 | Nano-range octopus type vapor grown carbon fibers from camphor. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 387, 151-155.   | 0.9 | 0         |
| 36 | Synthesis of Beaded and Entwined Carbon Nanofibers in Ni : Al Alloy Catalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 1034-1038.  | 0.9 | 0         |

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|----|--|-----|-----------|
| 37 | Welcome Aboard <l>Materials Express</l>. Materials Express, 2011, 1, 1-9.  | 0.5 | 0         |
| 38 | Application of Carbon Nanotubes to Nylon Composite. Japanese Journal of Applied Physics, 2011, 50, 01AF04.   | 1.5 | 0         |
| 39 | The realization of nipip HIT photodetectors with an optimized thickness of intrinsic a-Si:H. Materials Science in Semiconductor Processing, 2022, 144, 106590. | 4.0 | 0         |