Manish Pal Chowdhury

List of Publications by Year
in descending order

18 papers	504 citations	840776 11 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	768 citing authors

#	Article	IF	Citations
1	Field emission from vertically aligned few-layer graphene. Journal of Applied Physics, 2008, 104, .	2.5	246
2	Room temperature sensor based on carbon nanotubes and nanofibres for methane detection. Vacuum, 2005, 77, 223-229.	3.5	45
3	Relative humidity sensing properties of doped polyaniline-encased multiwall carbon nanotubes: wearable and flexible human respiration monitoring application. Journal of Materials Science, 2020, 55, 3884-3901.	3.7	37
4	Synthesis of SnO2/Pd composite films by PVD route for a liquid petroleum gas sensor. Vacuum, 2004, 75, 111-119.	3.5	32
5	Synthesis of DLC films by electrodeposition technique using formic acid as electrolyte. Diamond and Related Materials, 2004, 13, 1680-1689.	3.9	28
6	One-pot synthesis of multifunctional ZnO nanomaterials: study of superhydrophobicity and UV photosensing property. Applied Nanoscience (Switzerland), 2019, 9, 1939-1952.	3.1	19
7	Field emission characteristics of diamond-like carbon films synthesized by electrodeposition technique. Applied Surface Science, 2004, 236, 426-434.	6.1	16
8	Hydrothermal synthesis and characterization of multifunctional ZnO nanomaterials. Materials Today: Proceedings, 2020, 26, 77-81.	1.8	15
9	Superior positive relative humidity sensing properties of porous nanostructured Al:ZnO thin films deposited by jet-atomizer spray pyrolysis technique. Journal of Materials Science: Materials in Electronics, 2019, 30, 4618-4625.	2.2	14
10	Probing quantized image-potential states at supported carbon nanotubes. Nanotechnology, 2010, 21, 485401.	2.6	13
11	Beryllium-doped polycrystalline GaN films: Optical and grain boundary properties. Thin Solid Films, 2005, 491, 29-37.	1.8	11
12	Self-doped SnO2:F synthesis by aerosol-spray deposition technique and their application in relative humidity sensor devices. Applied Nanoscience (Switzerland), 2019, 9, 1553-1563.	3.1	8
13	Novel electrodeposition route for the synthesis of mixed boron nitride films. Materials Letters, 2004, 58, 3362-3367.	2.6	5
14	Gateâ€Induced Modification of Water Adsorption on Dielectrics Probed by EFM and Carbon Nanotube FETs. ChemPhysChem, 2012, 13, 4202-4206.	2.1	4
15	Effect of grainâ€"grain boundary on ZnO nanorod-based UV photosensor: a complex impedance spectroscopic study. Journal of Materials Science, 2021, 56, 19128-19143.	3.7	4
16	Expeditious UV detection of tungstite (WO3Â·H2O) and tungsten oxide (WO3) decorated multiwall carbon nanotubes (MWCNT) based photodetector: ultrafast response and recovery time. SN Applied Sciences, 2020, 2, 1.	2.9	3
17	Electro-polymerization of polyaniline on CVD grown transferrable vertically aligned CNT forest and its application in resistive detection of relative humidity. Materials Today: Proceedings, 2021, 43, 3591-3594.	1.8	3
18	Enhanced relative humidity sensing property of porous Al:ZnO thin films. Materials Today: Proceedings, 2020, 26, 138-141.	1.8	1