

Manish Pal Chowdhury

List of Publications by Year in descending order

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18
papers

504
citations

840585

11
h-index

887953

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. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	246
2	Room temperature sensor based on carbon nanotubes and nanofibres for methane detection. <i>Vacuum</i> , 2005, 77, 223-229.	1.6	45
3	Relative humidity sensing properties of doped polyaniline-encased multiwall carbon nanotubes: wearable and flexible human respiration monitoring application. <i>Journal of Materials Science</i> , 2020, 55, 3884-3901.	1.7	37
4	Synthesis of SnO ₂ /Pd composite films by PVD route for a liquid petroleum gas sensor. <i>Vacuum</i> , 2004, 75, 111-119.	1.6	32
5	Synthesis of DLC films by electrodeposition technique using formic acid as electrolyte. <i>Diamond and Related Materials</i> , 2004, 13, 1680-1689.	1.8	28
6	One-pot synthesis of multifunctional ZnO nanomaterials: study of superhydrophobicity and UV photosensing property. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1939-1952.	1.6	19
7	Field emission characteristics of diamond-like carbon films synthesized by electrodeposition technique. <i>Applied Surface Science</i> , 2004, 236, 426-434.	3.1	16
8	Hydrothermal synthesis and characterization of multifunctional ZnO nanomaterials. <i>Materials Today: Proceedings</i> , 2020, 26, 77-81.	0.9	15
9	Superior positive relative humidity sensing properties of porous nanostructured Al:ZnO thin films deposited by jet-atomizer spray pyrolysis technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 4618-4625.	1.1	14
10	Probing quantized image-potential states at supported carbon nanotubes. <i>Nanotechnology</i> , 2010, 21, 485401.	1.3	13
11	Beryllium-doped polycrystalline GaN films: Optical and grain boundary properties. <i>Thin Solid Films</i> , 2005, 491, 29-37.	0.8	11
12	Self-doped SnO ₂ :F synthesis by aerosol-spray deposition technique and their application in relative humidity sensor devices. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1553-1563.	1.6	8
13	Novel electrodeposition route for the synthesis of mixed boron nitride films. <i>Materials Letters</i> , 2004, 58, 3362-3367.	1.3	5
14	Gate-Induced Modification of Water Adsorption on Dielectrics Probed by EFM and Carbon Nanotube FETs. <i>ChemPhysChem</i> , 2012, 13, 4202-4206.	1.0	4
15	Effect of grain-grain boundary on ZnO nanorod-based UV photosensor: a complex impedance spectroscopic study. <i>Journal of Materials Science</i> , 2021, 56, 19128-19143.	1.7	4
16	Expeditious UV detection of tungstite (WO ₃ ·H ₂ O) and tungsten oxide (WO ₃) decorated multiwall carbon nanotubes (MWCNT) based photodetector: ultrafast response and recovery time. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	3
17	Electro-polymerization of polyaniline on CVD grown transferrable vertically aligned CNT forest and its application in resistive detection of relative humidity. <i>Materials Today: Proceedings</i> , 2021, 43, 3591-3594.	0.9	3
18	Enhanced relative humidity sensing property of porous Al:ZnO thin films. <i>Materials Today: Proceedings</i> , 2020, 26, 138-141.	0.9	1