

Amar Ratan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7443836/publications.pdf>

Version: 2024-02-01

13
papers

125
citations

1307594

7
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

117
citing authors

#	ARTICLE	IF	CITATIONS
1	Swift heavy ion beam modified MoS ₂ - PVA nanocomposite free-standing electrodes for polymeric electrolyte based asymmetric supercapacitor. <i>Vacuum</i> , 2021, 184, 109992.	3.5	7
2	Enhanced electrical properties of few layers MoS ₂ -PVA nanocomposite film via homogeneous dispersion and annealing effect induced by 80 MeV Carbon ⁶⁺ swift heavy ion irradiation. <i>Materials Science in Semiconductor Processing</i> , 2020, 108, 104877.	4.0	12
3	Enhanced photo-current conversion efficiency by incorporation of succinonitrile in N-Phthaloylchitosan based bio-polymer electrolyte for dye sensitized solar cell. <i>Optik</i> , 2020, 222, 165467.	2.9	8
4	Physio-chemical influence of high electron-phonon coupling induced by 120 MeV Ag ⁹⁺ SHI irradiation on exfoliated MoS ₂ - PVA nanocomposite films for achieving remarkable electrical conductivity for potential application in organic electronics. <i>Polymer Testing</i> , 2020, 91, 106776.	4.8	5
5	Multifunctional biogenically synthesized porous multi-walled carbon nanotubes dispersed polymer electrolyte-based supercapacitor. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	11
6	Impedimetric humidity sensing studies of Ag doped MCM-41 mesoporous silica coated on silver sputtered interdigitated electrodes. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 145, 109531.	4.0	17
7	Mesoporous metal oxide [±] -Fe ₂ O ₃ nanocomposites for sensing formaldehyde and ethanol at room temperature. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 145, 109536.	4.0	21
8	Cr doped MCM-41 nanocomposites: an efficient mesoporous catalyst facilitating conversion of toluene to benzaldehyde, an industrial precursor. <i>Journal of Porous Materials</i> , 2019, 26, 239-246.	2.6	6
9	Synthesis and characterizations of highly ordered KCl [±] -MCM [±] -41 porous nanocomposites for impedimetric humidity sensing. <i>Journal of Porous Materials</i> , 2019, 26, 389-398.	2.6	7
10	Humidity sensing of Mg doped MCM-41 on silver sputtered thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15646-15653.	2.2	4
11	100 MeV Silicon ⁹⁺ swift heavy ion irradiation - Strategic defect annealing approach to enhance the electrical conductivity of few-layered MoS ₂ sheets - PVA nanocomposite film. <i>Vacuum</i> , 2019, 169, 108939.	3.5	11
12	Biogenic synthesis and thermo [±] magnetic study of highly porous carbon nanotubes. <i>IET Nanobiotechnology</i> , 2019, 13, 363-367.	3.8	3
13	Mesoporous silica mediated synthesis of [±] -Fe ₂ O ₃ porous structures and their application as humidity sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20506-20516.	2.2	13