

R G Singh

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

217
citations

1163117
8
h-index

1474206
9
g-index

9
all docs

9
docs citations

9
times ranked

346
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | Softening of phonons by lattice defects and structural strain in heavy ion irradiated nanocrystalline zinc oxide films. <i>Journal of Applied Physics</i> , 2011, 110, . | 2.5 | 59 |
| 2 | Micro-Raman study on the softening and stiffening of phonons in rutile titanium dioxide film: Competing effects of structural defects, crystallite size, and lattice strain. <i>Journal of Applied Physics</i> , 2014, 115, . | 2.5 | 44 |
| 3 | Development of WO ₃ -PEDOT: PSS hybrid nanocomposites based devices for liquefied petroleum gas (LPG) sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13593-13603. | 2.2 | 35 |
| 4 | Effect of Annealing on the Surface Morphology, Optical and Structural Properties of Nanodimensional Tungsten Oxide Prepared by Coprecipitation Technique. <i>Journal of Electronic Materials</i> , 2019, 48, 1174-1183. | 2.2 | 33 |
| 5 | Carrier transport mechanism of highly-sensitive niobium doped titanium dioxide/p-Si heterojunction photodiode under illuminations by solar simulated light. <i>Journal of Applied Physics</i> , 2016, 120, . | 2.5 | 17 |
| 6 | Anomalous behavior of B _{1g} mode in highly transparent anatase nano-crystalline Nb-doped Titanium Dioxide (NTO) thin films. <i>AIP Advances</i> , 2015, 5, . | 1.3 | 10 |
| 7 | Multifunctional hybrid diode: Study of photoresponse, high responsivity, and charge injection mechanisms. <i>Journal of Applied Physics</i> , 2018, 123, . | 2.5 | 10 |
| 8 | High efficiency hybrid solid state blended dyes sensitized solar cell based on zinc oxide nanostructures. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, . | 2.0 | 8 |
| 9 | Photoluminescence Quenching and Photo-Induced Charge Transfer Processes in Poly(3-octylthiophene) Polymer Based Hybrid Nano-composites by Ion Irradiation for Possible Optoelectronic Applications. <i>Journal of Electronic Materials</i> , 2021, 50, 85-99. | 2.2 | 1 |