

# R G Singh

## List of Publications by Year in descending order

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9  
papers

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citations

1163117

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1474206

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times ranked

346  
citing authors

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