

# Vikas Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

242  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion beam engineering in WO <sub>3</sub> -PEDOT: PSS hybrid nanocomposite thin films for gas sensing measurement at room temperature. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108000.	3.9	18
2	Study of humidity sensing properties and ion beam induced modifications in SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films. <i>Surface and Coatings Technology</i> , 2020, 392, 125768.	4.8	39
3	Development of WO <sub>3</sub> -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 high energy Ti <sup>9+</sup> ion beam induced modifications in titanium dioxide and tin oxide nanocomposite thin films and detailed analysis of optical, structural and morphological properties. <i>Optical Materials</i> , 2019, 88, 320-332.	3.6	13
5	High-energy 120 MeV Au <sup>9+</sup> ion beam-induced modifications and evaluation of craters in surface morphology of SnO <sub>2</sub> and TiO <sub>2</sub> nanocomposite thin films. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1265-1280.	3.1	15
6	Low energy Kr <sup>5+</sup> ion beam engineering in the optical, structural, surface morphological and electrical properties of RF sputtered TiO <sub>2</sub> thin films. <i>Optical Materials</i> , 2019, 91, 455-469.	3.6	19
7	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
8	High energy 120 MeV Ti <sup>9+</sup> ion beam induced modifications in optical, structural and surface morphological properties of titanium dioxide thin films. <i>Vacuum</i> , 2019, 166, 323-334.	3.5	20
9	Modification in the properties of SnO <sub>2</sub> and TiO <sub>2</sub> nanocomposite thin films by low energy ion irradiation. <i>Integrated Ferroelectrics</i> , 2018, 193, 88-99.	0.7	4
10	Effect of low energy (keV) ion irradiation on structural, optical and morphological properties of SnO <sub>2</sub> -TiO <sub>2</sub> nanocomposite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13328-13336.	2.2	27
11	Modifications in physico-chemical properties of 100 MeV oxygen ions irradiated polyimide Kapton-H polymer. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2017, 406, 188-192.	1.4	19