

Animesh Layek

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

581
citations

687363

13
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of charge transport properties in less defective nanostructured ZnO based Schottky diode. RSC Advances, 2015, 5, 36560-36567.	3.6	111
2	Light induced charge transport property analysis of nanostructured ZnS based Schottky diode. Journal of Materials Science: Materials in Electronics, 2016, 27, 6325-6335.	2.2	97
3	Cd(ii) based metal-organic framework behaving as a Schottky barrier diode. Chemical Communications, 2014, 50, 7858.	4.1	80
4	One step hydrothermal synthesis of a rGO-TiO ₂ nanocomposite and its application on a Schottky diode: improvement in device performance and transport properties. RSC Advances, 2015, 5, 101582-101592.	3.6	67
5	Role of zinc oxide nanomorphology on Schottky diode properties. Chemical Physics Letters, 2014, 610-611, 39-44.	2.6	36
6	Study of resonance energy transfer between MEH-PPV and CuFeS ₂ nanoparticle and their application in energy harvesting device. Journal of Alloys and Compounds, 2014, 613, 364-369.	5.5	25
7	Tetrabromoterephthalic Acid in Designing Co-crystals and Salts: Modification of Optical Properties and Schottky Barrier Effect. Crystal Growth and Design, 2014, 14, 207-221.	3.0	23
8	Multifunctional mixed ligand metal organic frameworks: X-ray structure, adsorption, luminescence and electrical conductivity with theoretical correlation. CrystEngComm, 2016, 18, 5754-5763.	2.6	23
9	Morphological impact of ZnO nanoparticle on MEHPPV:ZnO based hybrid solar cell. Journal of Materials Science: Materials in Electronics, 2013, 24, 4621-4629.	2.2	22
10	Novel CuFeS ₂ pellet behaves like a portable signal transporting network: studies of immittance. RSC Advances, 2015, 5, 34682-34689.	3.6	22
11	Growth of hierarchical strontium incorporated cadmium sulphide for possible application in optical and electronic devices. Journal of Materials Science: Materials in Electronics, 2017, 28, 2049-2061.	2.2	17
12	Increase in open circuit voltage by the incorporation of band gap engineered FeS ₂ nanoparticle within MEHPPV solar cell. Journal of Materials Science: Materials in Electronics, 2013, 24, 3749-3755.	2.2	16
13	A new multicomponent salt of imidazole and tetrabromoterephthalic acid: Structural, optical, thermal, electrical transport properties and antibacterial activity along with Hirshfeld surface analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 144, 43-52.	3.9	13
14	Synthesis and incorporation of high quality FeS ₂ nanoparticles within poly(3-hexylthiophene):Phenyl-C ₆₀ -butyric acid methyl ester to increase the photosensitivity of composite material. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	10
15	Synthesis of ZnO composited TiO ₂ nanoparticle and its application in dye sensitized solar cells: A novel approach in enhancing open-circuit voltage. Materials Letters, 2014, 126, 214-216.	2.6	8
16	Investigation of Light Induced Carrier Transport Phenomena Through ZnCdS Nanocomposite Based Schottky Diode. Journal of Electronic Materials, 2016, 45, 4293-4301.	2.2	7
17	Temperature dependent growth of cadmium(II) oxide nanocrystals: studies on morphology based optical, electrical and dielectric properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 3435-3442.	2.2	2
18	Argon Dilution as an Alternative to Hydrogen Dilution for the Preparation of Large Area Device Quality Amorphous Silicon. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Synthesis of Mn _{0.04} Cu _{0.05} Zn _{0.91} O nanorod and its application in optoelectronic switching device. AIP Conference Proceedings, 2016, , .	0.4	1
20	Improvement in open circuit voltage of MEHPPV-FeS[sub 2] nanoparticle based organic inorganic hybrid solar cell. , 2013, , .		0
21	Possibility to Use Low Temperature Pulsed RF Sputtered Indium Tin Oxide for the Fabrication of Organic Solar Cell. Conference Papers in Energy, 2013, 2013, 1-4.	0.6	0