

Dinesh Pathak

List of Publications by Year in descending order

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papers

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471509

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49
all docs

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docs citations

49
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar power energy derived from nanotools and devices. , 2021, , 473-503.		1
2	Nanodispersed polymer gels used as electrolytes in lithium-ion batteries. , 2021, , 41-57.		0
3	New tailored organic semiconductors thin films for optoelectronic applications. EPJ Applied Physics, 2021, 95, 10201.	0.7	16
4	TiO ₂ nanofibers fabricated by electrospinning technique and degradation of MO dye under UV light. Zeitschrift Fur Kristallographie - Crystalline Materials, 2021, 236, 239-250.	0.8	16
5	Nanocomposite polymer electrolytes for energy devices. , 2021, , 27-40.		2
6	Metal oxides for energy applications. , 2020, , 471-504.		13
7	Response surface methodology based analysis of the impact of nanoclay addition on the wear resistance of polypropylene. EPJ Applied Physics, 2019, 86, 10401.	0.7	29
8	Identification of polycyclic aromatic hydrocarbons in roadside leaves (Ficus benghalensis) as a measure of air pollution in a semi arid region of northern, Indian city-A smart city. Environmental Technology and Innovation, 2019, 16, 100485.	6.1	3
9	FTIR, thermal and ionic conductivity studies of nanocomposite polymer electrolytes. Surface Innovations, 2019, 7, 51-58.	2.3	11
10	Experimental assessment of the utilization of a novel interpenetrating polymer network in different processes in the agricultural sector. Journal of Applied Polymer Science, 2019, 136, 47739.	2.6	11
11	Structural, optical and photovoltaic properties of P3HT and metal doped TiO ₂ quantum dots based bulk heterojunction layers. Optical Materials, 2019, 91, 376-385.	3.6	6
12	Synthesis, characterization and photovoltaic applications of noble metal doped ZnS quantum dots. Chinese Journal of Physics, 2019, 58, 348-362.	3.9	35
13	Nanopowder and Thin Films of ZnO by Sol Gel Approach. Journal of Nano- and Electronic Physics, 2019, 11, 04027-1-04027-5.	0.5	2
14	Structural, optical and photovoltaic properties of P3HT and Mn-doped CdS quantum dots based bulk heterojunction hybrid layers. Optical Materials, 2018, 78, 132-141.	3.6	21
15	Low-cost deposition of cupric oxide thin films for optoelectronic applications. EPJ Applied Physics, 2018, 84, 20301.	0.7	6
16	Merocyanine-540 grafted on ZnS and CdS nanocrystals- an approach for enhancing the efficiency of inorganic- organic hybrid solar cell. Optical Materials, 2018, 83, 165-175.	3.6	6
17	Dip Coated ZnO Films for Transparent Window Applications. Journal of Nano- and Electronic Physics, 2018, 10, 05038-1-05038-5.	0.5	2
18	Cupric Oxide Thin Films for Optoelectronic Application. ECS Meeting Abstracts, 2018, , .	0.0	1

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19	SYNTHESIS OF RGOâ€™ZnO COMPOSITES FOR THERMAL, ELECTRICAL AND ANTIBACTERIAL STUDIES. Surface Review and Letters, 2017, 24, 1750095.	1.1	3
20	Ionic conductivity, FTIR and thermal studies of nano-composite plasticized proton conducting polymer electrolytes. Solid State Ionics, 2017, 305, 57-62.	2.7	43
21	T-Shaped Indan-1,3-dione derivatives as promising electron donors for bulk heterojunction small molecule solar cell. Optical Materials, 2017, 69, 312-317.	3.6	10
22	Influence of the dopant concentration on structural, optical and photovoltaic properties of Cu-doped ZnS nanocrystals based bulk heterojunction hybrid solar cells. EPJ Applied Physics, 2017, 78, 34811.	0.7	25
23	Characterization of PVdF-HFP-based nanocomposite plasticized polymer electrolytes. Surface Innovations, 2017, 5, 251-256.	2.3	13
24	Synthesis, characterization and photovoltaic performance of Mn-doped ZnS quantum dots- P3HT hybrid bulk heterojunction solar cells. Optical Materials, 2017, 73, 754-762.	3.6	17
25	Structural, optical, electrochemical and photovoltaic studies of spider web like Silver Indium Diselenide Quantum dots synthesized by ligand mediated colloidal sol-gel approach. Optical Materials, 2017, 73, 70-76.	3.6	17
26	INFILTRATED SILICA PHOTONIC CRYSTAL WITH LIQUID CRYSTAL AND VARIOUS ORGANIC LIQUIDS. Surface Review and Letters, 2017, 24, 1750054.	1.1	0
27	Electrical characterization of nano-composite polymer gel electrolytes containing NH ₄ BF ₄ and SiO ₂ : role of donor number of solvent and fumed silica. Ionics, 2017, 23, 2761-2766.	2.4	11
28	Photovoltaic performance of P3HT-porphyrin functionalized 1D CdS nanostructured organic inorganic bulk heterojunction hybrid solar cells. EPJ Applied Physics, 2017, 78, 34809.	0.7	5
29	Effect of nano-size fumed silica on ionic conductivity of PVdF-HFP-based plasticized nano-composite polymer electrolytes. Ionics, 2016, 22, 1865-1872.	2.4	43
30	Well-defined quantum dots and broadening of optical phonon line from hydrothermal method. RSC Advances, 2016, 6, 102010-102014.	3.6	8
31	Array of bis-quaternary ammonium surfactant tailored Cu _(2x) Te quantum dots with amended functional assets. RSC Advances, 2016, 6, 13981-13990.	3.6	11
32	Twin-Tail Surfactant Peculiarity in Superficial Fabrication of Semiconductor Quantum Dots: Toward Structural, Optical, and Electrical Features. Journal of Physical Chemistry C, 2015, 119, 5062-5073.	3.1	49
33	AgInSe ₂ .PCBM.P3HT inorganic organic blends for hybrid bulk heterojunction photovoltaics. Synthetic Metals, 2015, 200, 102-108.	3.9	35
34	Photovoltaic performance of AgInSe ₂ -conjugated polymer hybrid system bulk heterojunction solar cells. Synthetic Metals, 2015, 199, 87-92.	3.9	46
35	Inverted Ternary Bulk Hetrojunction Hybrid Photovoltaic Device Based On AgInSe ₂ â€™polymer Blend As Absorber And PEDOT: PSS As Hole Transport Layer. Advanced Materials Letters, 2015, 6, 421-424.	0.6	3
36	Surface Roughness Characterization of ZnO: TiO ₂ -Organic Blended Solar Cells Layers by Atomic Force Microscopy and Fractal Analysis. International Journal of Nanoscience, 2014, 13, 1450020.	0.7	14

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37	Multifractal analysis of drop-casted copper (II) tetrasulfophthalocyanine film surfaces on the indium tin oxide substrates. <i>Surface and Interface Analysis</i> , 2014, 46, 393-398.	1.8	46
38	Organic materials for photovoltaic applications: Review and mechanism. <i>Synthetic Metals</i> , 2014, 190, 20-26.	3.9	139
39	Multifractal characterization of water soluble copper phthalocyanine based films surfaces. <i>Electronic Materials Letters</i> , 2014, 10, 719-730.	2.2	46
40	Characterization of mechanically synthesized AgInSe ₂ nanostructures. <i>Canadian Journal of Physics</i> , 2014, 92, 789-796.	1.1	22
41	Structural and Optical Properties of Sol-gel Processed ZnCdMgO Nanostructured Films as Transparent Conductor. <i>Advanced Materials Letters</i> , 2014, 5, 587-592.	0.6	6
42	CHARACTERIZATION OF DROP CASTED CuTsPc FILMS ON ITO SUBSTRATES. <i>International Journal of Nanoscience</i> , 2013, 12, 1350001.	0.7	3
43	CRYSTALLINE AgInSe ₂ FILMS ON GLASS BY LASER ABLATION. <i>International Journal of Modern Physics B</i> , 2010, 24, 5379-5385.	2.0	12
44	Characterization of AgInSe ₂ Films Deposited by Hot-Wall Vacuum Evaporation Method. <i>Materials and Manufacturing Processes</i> , 2010, 25, 1012-1017.	4.7	17
45	Effect of substrate temperature on the structural, optical and electrical properties of Silver Indium selenide films prepared by laser ablation. <i>Journal of the Korean Physical Society</i> , 2010, 56, 836-841.	0.7	23
46	Fabrication of Densely Distributed Silver Indium Selenide Nanorods by Ag ⁺ Ion Irradiation. <i>Journal of the Korean Physical Society</i> , 2010, 57, 474-479.	0.7	19
47	GROWTH OF AgInSe ₂ ON Si(100) SUBSTRATE BY PULSE LASER ABLATION. <i>Surface Review and Letters</i> , 2009, 16, 917-923.	1.1	8
48	Growth of AgInSe ₂ on Si(100) substrate by thermal evaporation technique. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 843-847.	2.3	16
49	Structural, electrical and optical properties of transparent Zn ¹⁺ Mg O nanocomposite thin films. <i>Thin Solid Films</i> , 2009, 518, 1394-1398.	1.8	23