

Prashant K Baviskar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8272243/publications.pdf>

Version: 2024-02-01

27
papers

465
citations

759055

12
h-index

713332

21
g-index

28
all docs

28
docs citations

28
times ranked

498
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple chemical route synthesized TiO ₂ /Ag ₂ S heterostructure towards efficient semiconductor sensitized solar cells. <i>Optical Materials</i> , 2022, 125, 112073.	1.7	6
2	Dye-sensitized solar cells. , 2021, , 179-211.		3
3	Effect of Nickel&Zinc Co-doped TiO ₂ blocking layer on performance of DSSCs. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152810.	2.8	46
4	Sensitization of TiO ₂ by chemically deposited Cu ₂ S for solar cell: Effect of deposition time on photoelectrochemical performance. <i>Optik</i> , 2020, 207, 163890.	1.4	9
5	Effect of deposition time on photoelectrochemical performance of chemically grown Bi ₂ Se ₃ -sensitized TiO ₂ nanostructure solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 17440-17450.	1.1	9
6	ZnO/CuSCN Nano-Heterostructure as a Highly Efficient Field Emitter: a Combined Experimental and Theoretical Investigation. <i>ACS Omega</i> , 2020, 5, 6715-6724.	1.6	12
7	Layer-by-layer deposition of TiO ₂ &ZrO ₂ electrode sensitized with Pandan leaves: natural dye-sensitized solar cell. <i>Materials for Renewable and Sustainable Energy</i> , 2019, 8, 1.	1.5	19
8	Role of polyaniline thickness in polymer-zinc oxide based solid state solar cell. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 244, 23-28.	1.7	13
9	Effect of ZrO ₂ barrier layers on the photovoltaic parameters of rose bengal&dye-sensitized TiO ₂ solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6015-6022.	1.1	6
10	CdS sensitized pristine and Cd doped ZnO solar cells: Effect of SILAR cycles on optical properties and efficiency. <i>Materials Science in Semiconductor Processing</i> , 2018, 80, 179-183.	1.9	22
11	SILAR controlled CdSe nanoparticles sensitized ZnO nanorods photoanode for solar cell application: Electrolyte effect. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 148-155.	5.0	28
12	Physical properties of poly[(thiophene-2,5-diyl)-co-para-chloro benzylidene] doped with cobalt sulphate: synthesis and characterization. <i>Polymer Bulletin</i> , 2018, 75, 255-265.	1.7	7
13	Bilayered ZnO/Nb ₂ O ₅ photoanode for dye sensitized solar cell. <i>International Journal of Modern Physics B</i> , 2018, 32, 1840046.	1.0	19
14	Fabrication of titanium dioxide (TiO ₂) and mercury sulfide (HgS) heterojunction for photoelectrochemical study. <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1.	1.5	10
15	Enhanced field emission properties from surface-modified 2D Cd(OH) ₂ nanocoins. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	5
16	Lead sulphide sensitized ZrO ₂ photoanode for solar cell application with MoO ₃ as a counter electrode. <i>Chemical Physics Letters</i> , 2017, 689, 15-18.	1.2	10
17	Synthesis and characterization of polypyrrole and its application for solar cell. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	21
18	Aligned 2D CuSCN nanosheets: a high performance field emitter. <i>RSC Advances</i> , 2016, 6, 71958-71962.	1.7	12

#	ARTICLE	IF	CITATIONS
19	Light-induced electrochemical performance of 3D- CdS nanonetwork: Effect of annealing. <i>Electrochimica Acta</i> , 2016, 222, 100-107.	2.6	33
20	Facile synthesis of D-structured dyes and their applications towards the cost effective fabrication of solar cells as well as sensing of hazardous Hg(ⁱⁱ). <i>RSC Advances</i> , 2016, 6, 106453-106464.	1.7	6
21	Straightening of chemically deposited CdS nanowires through annealing towards improved PV device performance. <i>Ceramics International</i> , 2016, 42, 6682-6691.	2.3	31
22	Synthesis of D-A-type small organic molecules with an enlarged linker system towards organic solar cells and the effect of co-adsorbents on cell performance. <i>New Journal of Chemistry</i> , 2016, 40, 634-640.	1.4	5
23	The first report on SILAR deposited nanostructured uranyl sulphide thin films and their chemical conversion to silver sulphide. <i>New Journal of Chemistry</i> , 2015, 39, 8695-8702.	1.4	2
24	Nanobeads of zinc oxide with rhodamine B dye as a sensitizer for dye sensitized solar cell application. <i>Journal of Alloys and Compounds</i> , 2012, 510, 33-37.	2.8	57
25	Room temperature chemical synthesis of highly oriented PbSe nanotubes based on negative free energy of formation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 10066-10069.	2.8	21
26	LPG sensor based on complete inorganic n-Bi ₂ S ₃ -p-CuSCN heterojunction synthesized by a simple chemical route. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 245302.	1.3	28
27	Wet chemical synthesis of ZnO thin films and sensitization to light with N3 dye for solar cell application. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 125108.	1.3	25