

Sutripto Majumder

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9126113/publications.pdf>

Version: 2024-02-01

43
papers

1,059
citations

304701
22
h-index

434170
31
g-index

43
all docs

43
docs citations

43
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of BiVO ₄ /Bi ₂ S ₃ /NiCoO ₂ for significant photoelectrochemical water splitting. Applied Surface Science, 2022, 574, 151562.	6.1	38
2	Optimization of photogenerated charge transport using type-II heterojunction structure of CoP/BiVO ₄ :WO ₃ for high efficient solar-driver water splitting. Journal of Alloys and Compounds, 2022, 899, 163292.	5.5	29
3	Effect of annealing of \hat{I}^2 -Bi ₂ O ₃ over enhanced photoelectrochemical performance. Materials Science in Semiconductor Processing, 2022, 141, 106439.	4.0	13
4	Rational construction of S-doped FeOOH onto Fe ₂ O ₃ nanorods for enhanced water oxidation. Journal of Colloid and Interface Science, 2022, 616, 749-758.	9.4	35
5	PbS nanoparticles anchored 1D- CdSe nanowires: Core-shell design towards energy storage supercapacitor application. Journal of Alloys and Compounds, 2022, 906, 164323.	5.5	20
6	Multi-walled carbon nanotubes supported copper phosphate microflowers for flexible solid-state supercapacitor. International Journal of Energy Research, 2022, 46, 6177-6196.	4.5	21
7	Carbon Nanotube-Functionalized Surface-Assisted Growth of Cobalt Phosphate Nanodots: A Highly Stable and Bendable All-Solid-State Symmetric Supercapacitor. Energy & Fuels, 2022, 36, 5953-5964.	5.1	14
8	Core-shell cadmium sulphide @ silver sulphide nanowires surface architecture: Design towards photoelectrochemical solar cells. Journal of Colloid and Interface Science, 2021, 587, 715-726.	9.4	35
9	Anion exchange and successive ionic layer adsorption and reaction-assisted coating of BiVO ₄ with Bi ₂ S ₃ to produce nanostructured photoanode for enhanced photoelectrochemical water splitting. Journal of Colloid and Interface Science, 2021, 585, 72-84.	9.4	44
10	Hole-supply-rate-controlled methanol-gas-sensing reaction over p-type Co ₃ O ₄ /single-walled carbon nanotube hybrid structures. Sensors and Actuators B: Chemical, 2021, 326, 128956.	7.8	25
11	Effect of SILAR-anchored ZnFe ₂ O ₄ on the BiVO ₄ nanostructure: An attempt towards enhancing photoelectrochemical water splitting. Applied Surface Science, 2021, 546, 149033.	6.1	39
12	Nanostructured \hat{I}^2 -Bi ₂ O ₃ /PbS heterojunction as np-junction photoanode for enhanced photoelectrochemical performance. Journal of Alloys and Compounds, 2021, 870, 159545.	5.5	22
13	Fluorine-surface-modified tin-doped hematite nanorod array photoelectrodes with enhanced water oxidation activity. Applied Surface Science, 2021, 558, 149898.	6.1	16
14	Three-dimensional nanoporous SnO ₂ /CdS heterojunction for high-performance photoelectrochemical water splitting. Applied Surface Science, 2021, 560, 149904.	6.1	19
15	Deposition of zinc cobaltite nanoparticles onto bismuth vanadate for enhanced photoelectrochemical water splitting. Journal of Colloid and Interface Science, 2021, 599, 453-466.	9.4	32
16	Facile Bi ₂ S ₃ nanoparticles on CdS nanowires surface: Core-shell nanostructured design towards solar cell application. Surfaces and Interfaces, 2021, 27, 101457.	3.0	12
17	Efficient photo charge transfer of Al-doped ZnO inverse opal shells in SnS ₂ photoanodes prepared by atomic layer deposition. Journal of Alloys and Compounds, 2020, 819, 153349.	5.5	21
18	Co ₃ O ₄ /reduced graphene oxide/BiVO ₄ nanorod as high performance photoanode for water oxidation. Electrochimica Acta, 2020, 364, 137283.	5.2	26

#	ARTICLE	IF	CITATIONS
19	Hydrogen passivation: a proficient strategy to enhance the optical and photoelectrochemical performance of InGaN/GaN single-quantum-well nanorods. <i>Nanotechnology</i> , 2020, 31, 475201.	2.6	10
20	Rb ₂ CO ₃ -decorated In ₂ O ₃ nanoparticles for the room-temperature detection of sub-ppm level NO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 128001.	7.8	36
21	Optimization strategy for CdSe@CdS core-shell nanorod structures toward high performance water splitting photoelectrodes. <i>Materials Research Bulletin</i> , 2020, 129, 110914.	5.2	22
22	CVD-deposited hybrid lead halide perovskite films for high-responsivity, self-powered photodetectors with enhanced photo stability under ambient conditions. <i>Nano Energy</i> , 2020, 74, 104872.	16.0	50
23	Sn Doping into Hematite Nanorods for High-Performance Photoelectrochemical Water Splitting. <i>Journal of the Electrochemical Society</i> , 2019, 166, H743-H749.	2.9	14
24	Incorporation of an Au-rGO Layer to Enhance the Photocatalytic Application of Optimized CdS Thin Film. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3112-H3118.	2.9	13
25	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.	3.5	13
26	Nanoheterojunction through PbS nanoparticles anchored CdS nanowires towards solar cell application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7095-7107.	7.1	31
27	CdO nanonecklace: Effect of air annealing on performance of photo electrochemical cell. <i>Journal of Alloys and Compounds</i> , 2019, 788, 75-82.	5.5	32
28	Approach for fabricating JLT using chemically deposited cadmium sulphide and titanium dioxide. <i>Micro and Nano Letters</i> , 2019, 14, 1060-1063.	1.3	3
29	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.	9.4	28
30	Cost effective synthesis to promote effective photoluminescent properties of rare earth doped MgO nanophosphor. <i>Optik</i> , 2018, 164, 711-720.	2.9	4
31	Effect of Aluminum Wet Etching on GaAs and Poly-DiMethylSiloxane Substrate: Surface Morphology and Topography Analysis. <i>Materials Focus</i> , 2018, 7, 45-49.	0.4	1
32	First report on a FeS-based 2 V operating flexible solid-state symmetric supercapacitor device. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1366-1375.	4.9	77
33	Facile fabrication of CdS/CdSe core-shell nanowire heterostructure for solar cell applications. <i>New Journal of Chemistry</i> , 2017, 41, 5808-5817.	2.8	24
34	Inverted organic solar cell with ultrasonic spray deposited active layer. <i>Optik</i> , 2017, 131, 1079-1084.	2.9	5
35	Synthesis and characterization of polypyrrole and its application for solar cell. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	21
36	Pseudocapacitive behavior of unidirectional CdS nanoforest in 3D architecture through solution chemistry. <i>Chemical Physics Letters</i> , 2016, 659, 105-111.	2.6	21

#	ARTICLE	IF	CITATIONS
37	Novel application of non-aqueous chemical bath deposited Sb ₂ S ₃ thin films as supercapacitive electrode. International Journal of Hydrogen Energy, 2016, 41, 21278-21285.	7.1	26
38	Solution-processed CdS quantum dots on TiO ₂ : light-induced electrochemical properties. RSC Advances, 2016, 6, 83175-83184.	3.6	24
39	Light-induced electrochemical performance of 3D- CdS nanonetwork: Effect of annealing. Electrochimica Acta, 2016, 222, 100-107.	5.2	33
40	Straightening of chemically deposited CdS nanowires through annealing towards improved PV device performance. Ceramics International, 2016, 42, 6682-6691.	4.8	31
41	“Basic idea, advance approach” Efficiency boost by sensitization of blended dye on chemically deposited ZnO films. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 318, 135-141.	3.9	22
42	1-D electron path of 3-D architecture consisting of dye loaded CdS nanowires: Dye sensitized solar cell. Journal of Alloys and Compounds, 2015, 651, 399-404.	5.5	24
43	Isolation of water soluble carbon nanotubes with network structure possessing multipodal junctions and its magnetic property. RSC Advances, 2013, 3, 7306.	3.6	33