

Sutripto Majumder

List of Publications by Year in descending order

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43
papers

1,059
citations

346980

22
h-index

488211

31
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all docs

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docs citations

43
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of BiVO ₄ /Bi ₂ S ₃ /NiCoO ₂ for significant photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2022, 574, 151562.	3.1	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. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163292.	2.8	29
3	Effect of annealing of \hat{I}^2 -Bi ₂ O ₃ over enhanced photoelectrochemical performance. <i>Materials Science in Semiconductor Processing</i> , 2022, 141, 106439.	1.9	13
4	Rational construction of S-doped FeOOH onto Fe ₂ O ₃ nanorods for enhanced water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 749-758.	5.0	35
5	PbS nanoparticles anchored 1D- CdSe nanowires: Core-shell design towards energy storage supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164323.	2.8	20
6	Multi-walled carbon nanotubes supported copper phosphate microflowers for flexible solid-state supercapacitor. <i>International Journal of Energy Research</i> , 2022, 46, 6177-6196.	2.2	21
7	Carbon Nanotube-Functionalized Surface-Assisted Growth of Cobalt Phosphate Nanodots: A Highly Stable and Bendable All-Solid-State Symmetric Supercapacitor. <i>Energy & Fuels</i> , 2022, 36, 5953-5964.	2.5	14
8	Core-shell cadmium sulphide @ silver sulphide nanowires surface architecture: Design towards photoelectrochemical solar cells. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 715-726.	5.0	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. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 72-84.	5.0	44
10	Hole-supply-rate-controlled methanol-gas-sensing reaction over p-type Co ₃ O ₄ /single-walled carbon nanotube hybrid structures. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128956.	4.0	25
11	Effect of SILAR-anchored ZnFe ₂ O ₄ on the BiVO ₄ nanostructure: An attempt towards enhancing photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 546, 149033.	3.1	39
12	Nanostructured \hat{I}^2 -Bi ₂ O ₃ /PbS heterojunction as np-junction photoanode for enhanced photoelectrochemical performance. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159545.	2.8	22
13	Fluorine-surface-modified tin-doped hematite nanorod array photoelectrodes with enhanced water oxidation activity. <i>Applied Surface Science</i> , 2021, 558, 149898.	3.1	16
14	Three-dimensional nanoporous SnO ₂ /CdS heterojunction for high-performance photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 560, 149904.	3.1	19
15	Deposition of zinc cobaltite nanoparticles onto bismuth vanadate for enhanced photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 453-466.	5.0	32
16	Facile Bi ₂ S ₃ nanoparticles on CdS nanowires surface: Core-shell nanostructured design towards solar cell application. <i>Surfaces and Interfaces</i> , 2021, 27, 101457.	1.5	12
17	Efficient photo charge transfer of Al-doped ZnO inverse opal shells in SnS ₂ photoanodes prepared by atomic layer deposition. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153349.	2.8	21
18	Co ₃ O ₄ /reduced graphene oxide/BiVO ₄ nanorod as high performance photoanode for water oxidation. <i>Electrochimica Acta</i> , 2020, 364, 137283.	2.6	26

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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.	1.3	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.	4.0	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.	2.7	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.	8.2	50
23	Sn Doping into Hematite Nanorods for High-Performance Photoelectrochemical Water Splitting. <i>Journal of the Electrochemical Society</i> , 2019, 166, H743-H749.	1.3	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.	1.3	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.	1.7	13
26	Nanoheterojunction through PbS nanoparticles anchored CdS nanowires towards solar cell application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7095-7107.	3.8	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.	2.8	32
28	Approach for fabricating JLT using chemically deposited cadmium sulphide and titanium dioxide. <i>Micro and Nano Letters</i> , 2019, 14, 1060-1063.	0.6	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.	5.0	28
30	Cost effective synthesis to promote effective photoluminescent properties of rare earth doped MgO nanophosphor. <i>Optik</i> , 2018, 164, 711-720.	1.4	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.	2.5	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.	1.4	24
34	Inverted organic solar cell with ultrasonic spray deposited active layer. <i>Optik</i> , 2017, 131, 1079-1084.	1.4	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.	1.1	21
36	Pseudocapacitive behavior of unidirectional CdS nanoforest in 3D architecture through solution chemistry. <i>Chemical Physics Letters</i> , 2016, 659, 105-111.	1.2	21

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37	Novel application of non-aqueous chemical bath deposited Sb ₂ S ₃ thin films as supercapacitive electrode. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 21278-21285.	3.8	26
38	Solution-processed CdS quantum dots on TiO ₂ : light-induced electrochemical properties. <i>RSC Advances</i> , 2016, 6, 83175-83184.	1.7	24
39	Light-induced electrochemical performance of 3D- CdS nanonetwork: Effect of annealing. <i>Electrochimica Acta</i> , 2016, 222, 100-107.	2.6	33
40	Straightening of chemically deposited CdS nanowires through annealing towards improved PV device performance. <i>Ceramics International</i> , 2016, 42, 6682-6691.	2.3	31
41	“Basic idea, advance approach” Efficiency boost by sensitization of blended dye on chemically deposited ZnO films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 318, 135-141.	2.0	22
42	1-D electron path of 3-D architecture consisting of dye loaded CdS nanowires: Dye sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2015, 651, 399-404.	2.8	24
43	Isolation of water soluble carbon nanotubes with network structure possessing multipodal junctions and its magnetic property. <i>RSC Advances</i> , 2013, 3, 7306.	1.7	33