

Poulomi Roy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

4,875
citations

20
h-index

34
g-index

34
ext. papers

5,286
ext. citations

6.9
avg, IF

6.13
L-index

#	Paper	IF	Citations
33	Cobalt chromium vanadium layered triple hydroxides as an efficient oxygen electrocatalyst for alkaline seawater splitting.. <i>Chemical Communications</i> , 2021 ,	5.8	8
32	Effectiveness of different facemask materials to combat transmission of airborne diseases. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021 , 46, 1	1	0
31	Seawater electrocatalysis: activity and selectivity. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 74-86	13	35
30	Defect enriched hierarchical iron promoted Bi ₂ MoO ₆ hollow spheres as efficient electrocatalyst for water oxidation. <i>Chemical Engineering Journal</i> , 2021 , 426, 131884	14.7	3
29	Bismuth iron molybdenum oxide solid solution: a novel and durable electrocatalyst for overall water splitting. <i>Chemical Communications</i> , 2020 , 56, 7293-7296	5.8	11
28	In Situ Mn-Doping-Promoted Conversion of Co(OH) ₂ to Co ₃ O ₄ as an Active Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9690-9698	8.3	28
27	Nanostructured Metal Oxide, Hydroxide, and Chalcogenide for Supercapacitor Applications 2019 , 521-571		3
26	Ammonia-Assisted Growth of CoSn(OH) Nanostructures and Their Electrochemical Performances for Supercapacitor. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 2755-2761	1.3	2
25	Hybrid NiCo ₂ O ₄ -NiCo ₂ S ₄ Nanoflakes as High-Performance Anode Materials for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2018 , 3, 2315-2320	1.8	9
24	Fe ₂ O ₃ /TiO ₂ Hybrids with Tunable Morphologies as Efficient Photocatalysts and Positive Electrodes for Supercapacitors. <i>ChemistrySelect</i> , 2018 , 3, 3284-3294	1.8	4
23	Deposition of Tin Oxide Thin Films by Successive Ionic Layer Adsorption Reaction Method and Its Characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2569-2575	1.3	2
22	Facile synthesis of flower-like morphology CuCoO for a high-performance supercapattery with extraordinary cycling stability. <i>Chemical Communications</i> , 2018 , 54, 12400-12403	5.8	21
21	Nanohybrid Materials in the Development of Solar Energy Applications 2017 , 147-197		
20	Synthesis of poly(o-phenylenediamine) nanofiber with novel structure and properties. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 797-804	3.2	22
19	Influence of structure of poly(o-phenylenediamine) on the doping ability and conducting property. <i>Ionics</i> , 2017 , 23, 937-947	2.7	11
18	Structure and properties of conducting poly(o-phenylenediamine) synthesized in different inorganic acid medium. <i>Macromolecular Research</i> , 2016 , 24, 342-349	1.9	19
17	Three-dimensional NiCo ₂ O ₄ /NiCo ₂ S ₄ hybrid nanostructure on Ni-foam as a high-performance supercapacitor electrode. <i>RSC Advances</i> , 2016 , 6, 95760-95767	3.7	36

16	Nanostructured copper sulfides: synthesis, properties and applications. <i>CrystEngComm</i> , 2015 , 17, 7801-7815	12.0	315
15	Nanostructured anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2454-2484	16.4	574
14	Oxide nanotubes on Ti-Ru alloys: strongly enhanced and stable photoelectrochemical activity for water splitting. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5629-31	16.4	99
13	Nb doped TiO ₂ nanotubes for enhanced photoelectrochemical water-splitting. <i>Nanoscale</i> , 2011 , 3, 3094-67	7.7	168
12	TiO ₂ nanotubes: synthesis and applications. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2904-396.4	16.4	2393
11	TiO ₂ nanotubes and their application in dye-sensitized solar cells. <i>Nanoscale</i> , 2010 , 2, 45-59	7.7	516
10	Anodic formation of thick anatase TiO ₂ mesoporous layers for high-efficiency photocatalysis. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1478-9	16.4	155
9	Size-selective separation of macromolecules by nanochannel titania membrane with self-cleaning (declogging) ability. <i>Journal of the American Chemical Society</i> , 2010 , 132, 7893-5	16.4	73
8	Self-organized TiO ₂ Nanotube Arrays: Critical Effects on Morphology and Growth. <i>Israel Journal of Chemistry</i> , 2010 , 50, 453-467	3.4	79
7	Dye-sensitized solar cells using anodic TiO ₂ mesoporous: Improved efficiency by TiCl ₄ treatment. <i>Electrochemistry Communications</i> , 2010 , 12, 574-578	5.1	57
6	Self-organized TiO ₂ nanotubes: Factors affecting their morphology and properties. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2424-2435	1.3	72
5	Formation of a Non-Thickness-Limited Titanium Dioxide Mesoporous and its Use in Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , 2009 , 121, 9490-9493	3.6	26
4	Formation of a non-thickness-limited titanium dioxide mesoporous and its use in dye-sensitized solar cells. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9326-9	16.4	71
3	Improved efficiency of TiO ₂ nanotubes in dye sensitized solar cells by decoration with TiO ₂ nanoparticles. <i>Electrochemistry Communications</i> , 2009 , 11, 1001-1004	5.1	178
2	Chemical bath deposition of MoS ₂ thin film using ammonium tetrathiomolybdate as a single source for molybdenum and sulphur. <i>Thin Solid Films</i> , 2006 , 496, 293-298	2.2	75
1	Cobalt and Iron Phosphates with Modulated Compositions and Phases as Efficient Electrocatalysts for Alkaline Seawater Oxidation. <i>Chemical Communications</i> ,	5.8	1