

Rekha Dom

List of Publications by Year in descending order

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18
papers

707
citations

759233

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888059

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18
times ranked

1053
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of solar active nanocrystalline ferrite, MFe_2O_4 (M: Ca, Zn, Mg) photocatalyst by microwave irradiation. Solid State Communications, 2011, 151, 470-473.	1.9	191
2	Insights into renewable hydrogen energy: Recent advances and prospects. Materials Science for Energy Technologies, 2020, 3, 319-327.	1.8	105
3	Synthesis of a hydrogen producing nanocrystalline $ZnFe_2O_4$ visible light photocatalyst using a rapid microwave irradiation method. RSC Advances, 2012, 2, 12782.	3.6	81
4	Solar hydrogen generation from spinel $ZnFe_2O_4$ photocatalyst: effect of synthesis methods. International Journal of Energy Research, 2015, 39, 1378-1390.	4.5	63
5	Fabrication of large area nanorod like structured CdS photoanode for solar H_2 generation using spray pyrolysis technique. International Journal of Hydrogen Energy, 2013, 38, 36-44.	7.1	50
6	Enhanced Solar Photoelectrochemical Conversion Efficiency of $ZnO:Cu$ Electrodes for Water-Splitting Application. International Journal of Photoenergy, 2013, 2013, 1-9.	2.5	40
7	Deposition of nanostructured photocatalytic zinc ferrite films using solution precursor plasma spraying. Materials Research Bulletin, 2012, 47, 562-570.	5.2	36
8	Efficient hydrogen generation over (100)-oriented ZnO nanostructured photoanodes under solar light. CrystEngComm, 2014, 16, 2432.	2.6	28
9	Eco-friendly ferrite nanocomposite photoelectrode for improved solar hydrogen generation. RSC Advances, 2013, 3, 15217.	3.6	27
10	Nanostructure $Zn-Cu$ co-doped CdS chalcogenide electrodes for opto-electric-power and H_2 generation. International Journal of Hydrogen Energy, 2017, 42, 125-132.	7.1	21
11	Fe controlled charge-dynamics in ZnO for solar hydrogen generation. International Journal of Hydrogen Energy, 2017, 42, 5758-5767.	7.1	17
12	A solar-responsive zinc oxide photoanode for solar-photon-harvester photoelectrochemical (PEC) cells. Nanoscale Advances, 2020, 2, 3350-3357.	4.6	13
13	Nanocrystalline magnesium ferrite prepared for photocatalytic applications by using the polymerized complex method. Journal of the Korean Physical Society, 2015, 67, 1639-1645.	0.7	11
14	Photo Chemical Hydrogen Generation from Orthorhombic $CaFe_2O_4$ Nanoparticles Synthesized by Different Methods. ChemistrySelect, 2017, 2, 2556-2564.	1.5	10
15	Fabrication and Photoelectrochemical Characterization of Fe, Co, Ni and Cu-Doped TiO_2 Thin Films. Materials Science Forum, 2013, 764, 266-283.	0.3	8
16	Photocatalytic and Photoelectro-Chemical Study of Ferrites for Water Splitting Applications: A Comparative Study. Materials Science Forum, 2012, 734, 334-348.	0.3	3
17	Investigation of Solar Photoelectrochemical Hydrogen Generation Ability of Ferrites for Energy Production. Materials Science Forum, 2013, 764, 97-115.	0.3	3
18	Design and Development of Ferrite Composite Film Electrode for Photoelectrochemical Energy Application. Materials Science Forum, 0, 781, 45-61.	0.3	0