Rekha Dom

List of Publications by Year
in descending order

18	707	759233 12	888059 17
papers	citations	h-index	g-index

18	18	18	1053
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into renewable hydrogen energy: Recent advances and prospects. Materials Science for Energy Technologies, 2020, 3, 319-327.	1.8	105
2	A solar-responsive zinc oxide photoanode for solar-photon-harvester photoelectrochemical (PEC) cells. Nanoscale Advances, 2020, 2, 3350-3357.	4.6	13
3	Photo Chemical Hydrogen Generation from Orthorhombic CaFe₂O₄ Nanoparticles Synthesized by Different Methods. ChemistrySelect, 2017, 2, 2556-2564.	1.5	10
4	Fe controlled charge-dynamics in ZnO for solar hydrogen generation. International Journal of Hydrogen Energy, 2017, 42, 5758-5767.	7.1	17
5	Nanostructure Znâ€“Cu co-doped CdS chalcogenide electrodes for opto-electric-power and H2 generation. International Journal of Hydrogen Energy, 2017, 42, 125-132.	7.1	21
6	Solar hydrogen generation from spinel ZnFe₂O₄photocatalyst: effect of synthesis methods. International Journal of Energy Research, 2015, 39, 1378-1390.	4.5	63
7	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
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	Fabrication and Photoelectrochemical Characterization of Fe, Co, Ni and Cu-Doped TiO₂ Thin Films. Materials Science Forum, 2013, 764, 266-283.	0.3	8
11	Fabrication of large area nanorod like structured CdS photoanode for solar H2 generation using spray pyrolysis technique. International Journal of Hydrogen Energy, 2013, 38, 36-44.	7.1	50
12	Enhanced Solar Photoelectrochemical Conversion Efficiency of ZnO:Cu Electrodes for Water-Splitting Application. International Journal of Photoenergy, 2013, 2013, 1-9.	2.5	40
13	Investigation of Solar Photoelectrochemical Hydrogen Generation Ability of Ferrites for Energy Production. Materials Science Forum, 2013, 764, 97-115.	0.3	3
14	Photocatalytic and Photoelectro-Chemical Study of Ferrites for Water Splitting Applications: A Comparative Study. Materials Science Forum, 2012, 734, 334-348.	0.3	3
15	Synthesis of a hydrogen producing nanocrystalline ZnFe2O4 visible light photocatalyst using a rapid microwave irradiation method. RSC Advances, 2012, 2, 12782.	3.6	81
16	Deposition of nanostructured photocatalytic zinc ferrite films using solution precursor plasma spraying. Materials Research Bulletin, 2012, 47, 562-570.	5.2	36
17	Synthesis of solar active nanocrystalline ferrite, MFe2O4 (M: Ca, Zn, Mg) photocatalyst by microwave irradiation. Solid State Communications, 2011, 151, 470-473.	1.9	191
18	Design and Development of Ferrite Composite Film Electrode for Photoelectrochemical Energy Application. Materials Science Forum, 0, 781, 45-61.	0.3	0