

# Satyabadi Martha

## List of Publications by Year in descending order

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47  
papers

4,299  
citations

101384

36  
h-index

223531

46  
g-index

53  
all docs

53  
docs citations

53  
times ranked

5238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of room temperature ferromagnetism in nanocrystalline $Zr_{1-x}Mn_xO_2$ by the suppression of monoclinic structure of zirconia. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 494, 165768.	1.0	10
2	Rational Design of a Coupled Confronting $Zn$ -Scheme System Toward Photocatalytic Refractory Pollutant Degradation and Water Splitting Reaction. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900370.	1.9	36
3	Facile synthesis of $ZnFe_2O_4@RGO$ nanocomposites towards photocatalytic ciprofloxacin degradation and $H_2$ energy production. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 667-679.	5.0	92
4	Constructive Interfacial Charge Carrier Separation of a $p-CaFe_2O_4@n-ZnFe_2O_4$ Heterojunction Architect Photocatalyst toward Photodegradation of Antibiotics. <i>Inorganic Chemistry</i> , 2019, 58, 16592-16608.	1.9	60
5	Facile synthesis of exfoliated graphitic carbon nitride for photocatalytic degradation of ciprofloxacin under solar irradiation. <i>Journal of Materials Science</i> , 2019, 54, 5726-5742.	1.7	107
6	Quantum confinement chemistry of CdS QDs plus hot electron of Au over $TiO_2$ nanowire protruding to be encouraging photocatalyst towards nitrophenol conversion and ciprofloxacin degradation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102821.	3.3	38
7	Pyrochlore $Ce_2Zr_2O_7$ decorated over rGO: a photocatalyst that proves to be efficient towards the reduction of 4-nitrophenol and degradation of ciprofloxacin under visible light. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9872-9885.	1.3	76
8	Synthesis, photoelectrochemical properties and solar light-induced photocatalytic activity of bismuth ferrite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	87
9	Fabrication of a $Co(OH)_2/ZnCr$ LDH $\alpha$ -Heterojunction Photocatalyst with Enhanced Separation of Charge Carriers for Efficient Visible-Light-Driven $H_2$ and $O_2$ Evolution. <i>Inorganic Chemistry</i> , 2018, 57, 3840-3854.	1.9	162
10	Erratic charge transfer dynamics of $Au/ZnTiO_3$ nanocomposites under UV and visible light irradiation and their related photocatalytic activities. <i>Nanoscale</i> , 2018, 10, 18540-18554.	2.8	42
11	Facile synthesis of $ZnFe_2O_4$ photocatalysts for decolorization of organic dyes under solar irradiation. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 436-446.	1.5	77
12	Modification of BiOI Microplates with CdS QDs for Enhancing Stability, Optical Property, Electronic Behavior toward Rhodamine B Decolorization, and Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4834-4849.	1.5	150
13	Exfoliated metal free homojunction photocatalyst prepared by a biomediated route for enhanced hydrogen evolution and Rhodamine B degradation. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1641-1653.	3.2	49
14	$ZnCr_2O_4@ZnO/g-C_3N_4$ : A Triple-Junction Nanostructured Material for Effective Hydrogen and Oxygen Evolution under Visible Light. <i>Energy Technology</i> , 2017, 5, 1687-1701.	1.8	63
15	Quantum dots as enhancer in photocatalytic hydrogen evolution: A review. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9467-9481.	3.8	104
16	CdS QDs-Decorated Self-Doped $\beta-Bi_2MoO_6$ : A Sustainable and Versatile Photocatalyst toward Photoreduction of Cr(VI) and Degradation of Phenol. <i>ACS Omega</i> , 2017, 2, 9040-9056.	1.6	79
17	A review of harvesting clean fuels from enzymatic $CO_2$ reduction. <i>RSC Advances</i> , 2016, 6, 44170-44194.	1.7	87
18	An overview of the structural, textural and morphological modulations of $g-C_3N_4$ towards photocatalytic hydrogen production. <i>RSC Advances</i> , 2016, 6, 46929-46951.	1.7	255

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19	The effect of sulfate pre-treatment to improve the deposition of Au-nanoparticles in a gold-modified sulfated g-C <sub>3</sub> N <sub>4</sub> plasmonic photocatalyst towards visible light induced water reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28502-28514.	1.3	118
20	An overview of the modification of g-C <sub>3</sub> N <sub>4</sub> with high carbon containing materials for photocatalytic applications. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 336-347.	3.0	201
21	Glimpses of the modification of perovskite with graphene-analogous materials in photocatalytic applications. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 807-823.	3.0	36
22	An overview on visible light responsive metal oxide based photocatalysts for hydrogen energy production. <i>RSC Advances</i> , 2015, 5, 61535-61553.	1.7	148
23	Reduced Graphene Oxide/InGaZn Mixed Oxide Nanocomposite Photocatalysts for Hydrogen Production. <i>ChemSusChem</i> , 2014, 7, 585-597.	3.6	38
24	Heterojunction conception of n-La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> /p-CuO in the limelight of photocatalytic formation of hydrogen under visible light. <i>RSC Advances</i> , 2014, 4, 14633.	1.7	39
25	Plasmon Induced Nano Au Particle Decorated over S,N-Modified TiO <sub>2</sub> for Exceptional Photocatalytic Hydrogen Evolution under Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 839-846.	4.0	99
26	Fabrication of In <sub>2</sub> O <sub>3</sub> modified ZnO for enhancing stability, optical behaviour, electronic properties and photocatalytic activity for hydrogen production under visible light. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3621.	5.2	125
27	Facile Synthesis of Au/g-C <sub>3</sub> N <sub>4</sub> Nanocomposites: An Inorganic/Organic Hybrid Plasmonic Photocatalyst with Enhanced Hydrogen Gas Evolution Under Visible Light Irradiation. <i>ChemCatChem</i> , 2014, 6, 1453-1462.	1.8	208
28	Fabrication of NiO/Ta <sub>2</sub> O <sub>5</sub> composite photocatalyst for hydrogen production under visible light. <i>International Journal of Energy Research</i> , 2013, 37, 161-170.	2.2	22
29	Gd <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> /In <sub>2</sub> O <sub>3</sub> : Efficient Visible Light Driven Heterojunction Based Composite Photocatalysts for Hydrogen Production. <i>ChemCatChem</i> , 2013, 5, 2352-2359.	1.8	39
30	Facile synthesis of highly active g-C <sub>3</sub> N <sub>4</sub> for efficient hydrogen production under visible light. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7816.	5.2	431
31	Fabrication of Novel p-BiOI/n-ZnTiO <sub>3</sub> Heterojunction for Degradation of Rhodamine 6G under Visible Light Irradiation. <i>Inorganic Chemistry</i> , 2013, 52, 6390-6401.	1.9	226
32	Facile synthesis of InGaZn mixed oxide nanorods for enhanced hydrogen production under visible light. <i>Dalton Transactions</i> , 2012, 41, 14107.	1.6	36
33	Fabrication of nano N-doped In <sub>2</sub> Ga <sub>2</sub> ZnO <sub>7</sub> for photocatalytic hydrogen production under visible light. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17936-17946.	3.8	16
34	Facile fabrication of Bi <sub>2</sub> O <sub>3</sub> /Bi <sup>3+</sup> NaTaO <sub>3</sub> photocatalysts for hydrogen generation under visible light irradiation. <i>RSC Advances</i> , 2012, 2, 9423.	1.7	61
35	Synthesis of Multifunctional Nanostructured Zinc-Iron Mixed Oxide Photocatalyst by a Simple Solution-Combustion Technique. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 707-713.	4.0	84
36	Facile synthesis of visible light responsive V <sub>2</sub> O <sub>5</sub> /N,S <sup>2+</sup> TiO <sub>2</sub> composite photocatalyst: enhanced hydrogen production and phenol degradation. <i>Journal of Materials Chemistry</i> , 2012, 22, 10695.	6.7	107

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37	Enhanced photocatalytic activity over N-doped GaZn mixed oxide under visible light irradiation. International Journal of Hydrogen Energy, 2012, 37, 115-124.	3.8	18
38	Corrigendum to "Efficient hydrogen production by composite photocatalyst CdS/ZnS/zirconium-titanium phosphate (ZTP) under visible light illumination" [International Journal of Hydrogen Energy, 36 (2011) 13452-13460]. International Journal of Hydrogen Energy, 2012, 37, 6118.	3.8	0
39	Incorporation of Silver Ions into Zirconium Titanium Phosphate: A Novel Approach toward Antibacterial Activity. Industrial & Engineering Chemistry Research, 2011, 50, 9479-9486.	1.8	27
40	Solar-light induced photodegradation of organic pollutants over CdS-pillared zirconium-titanium phosphate (ZTP). Journal of Molecular Catalysis A, 2011, 349, 36-41.	4.8	51
41	Mesoporous nanocomposite Fe/Al <sub>2</sub> O <sub>3</sub> -MCM-41: An efficient photocatalyst for hydrogen production under visible light. International Journal of Hydrogen Energy, 2011, 36, 12753-12760.	3.8	28
42	Efficient hydrogen production by composite photocatalyst CdS/ZnS/Zirconium-titanium phosphate (ZTP) under visible light illumination. International Journal of Hydrogen Energy, 2011, 36, 13452-13460.	3.8	72
43	Facile fabrication of Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> -xNx nanocomposites for excellent visible light driven photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2011, 36, 2794-2802.	3.8	92
44	Facile fabrication of hierarchical N-doped GaZn mixed oxides for water splitting reactions. Journal of Materials Chemistry, 2010, 20, 7144.	6.7	53
45	Visible light response photocatalytic water splitting over CdS-pillared zirconium-titanium phosphate (ZTP). International Journal of Hydrogen Energy, 2010, 35, 5262-5269.	3.8	36
46	Fabrication of nanocrystalline LaFeO <sub>3</sub> : An efficient sol-gel auto-combustion assisted visible light responsive photocatalyst for water decomposition. International Journal of Hydrogen Energy, 2010, 35, 12161-12168.	3.8	309
47	Solar Fuels from CO <sub>2</sub> ; Photoreduction over Nano-Structured Catalysts. Materials Science Forum, 0, 855, 1-19.	0.3	4