

# 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	Facile synthesis of highly active g-C <sub>3</sub> N <sub>4</sub> for efficient hydrogen production under visible light. Journal of Materials Chemistry A, 2013, 1, 7816.	5.2	431
2	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
3	An overview of the structural, textural and morphological modulations of g-C <sub>3</sub> N <sub>4</sub> towards photocatalytic hydrogen production. RSC Advances, 2016, 6, 46929-46951.	1.7	255
4	Fabrication of Novel p-BiOI/n-ZnTiO <sub>3</sub> Heterojunction for Degradation of Rhodamine 6G under Visible Light Irradiation. Inorganic Chemistry, 2013, 52, 6390-6401.	1.9	226
5	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. ChemCatChem, 2014, 6, 1453-1462.	1.8	208
6	An overview of the modification of g-C <sub>3</sub> N <sub>4</sub> with high carbon containing materials for photocatalytic applications. Inorganic Chemistry Frontiers, 2016, 3, 336-347.	3.0	201
7	Fabrication of a Co(OH) <sub>2</sub> /ZnCr LDH Heterojunction Photocatalyst with Enhanced Separation of Charge Carriers for Efficient Visible-Light-Driven H <sub>2</sub> and O <sub>2</sub> Evolution. Inorganic Chemistry, 2018, 57, 3840-3854.	1.9	162
8	Modification of BiOI Microplates with CdS QDs for Enhancing Stability, Optical Property, Electronic Behavior toward Rhodamine B Decolorization, and Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2017, 121, 4834-4849.	1.5	150
9	An overview on visible light responsive metal oxide based photocatalysts for hydrogen energy production. RSC Advances, 2015, 5, 61535-61553.	1.7	148
10	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. Journal of Materials Chemistry A, 2014, 2, 3621.	5.2	125
11	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. Physical Chemistry Chemical Physics, 2016, 18, 28502-28514.	1.3	118
12	Facile synthesis of visible light responsive V <sub>2</sub> O <sub>5</sub> /N-TiO <sub>2</sub> composite photocatalyst: enhanced hydrogen production and phenol degradation. Journal of Materials Chemistry, 2012, 22, 10695.	6.7	107
13	Facile synthesis of exfoliated graphitic carbon nitride for photocatalytic degradation of ciprofloxacin under solar irradiation. Journal of Materials Science, 2019, 54, 5726-5742.	1.7	107
14	Quantum dots as enhancer in photocatalytic hydrogen evolution: A review. International Journal of Hydrogen Energy, 2017, 42, 9467-9481.	3.8	104
15	Plasmon Induced Nano Au Particle Decorated over S,N-Modified TiO <sub>2</sub> for Exceptional Photocatalytic Hydrogen Evolution under Visible Light. ACS Applied Materials & Interfaces, 2014, 6, 839-846.	4.0	99
16	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
17	Facile synthesis of ZnFe <sub>2</sub> O <sub>4</sub> @RGO nanocomposites towards photocatalytic ciprofloxacin degradation and H <sub>2</sub> energy production. Journal of Colloid and Interface Science, 2019, 556, 667-679.	5.0	92
18	A review of harvesting clean fuels from enzymatic CO <sub>2</sub> reduction. RSC Advances, 2016, 6, 44170-44194.	1.7	87

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19	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
20	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
21	CdS QDs-Decorated Self-Doped $\text{Bi}^{3+}\text{Bi}^{2+}\text{MoO}_6$ : 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
22	Facile synthesis of $\text{ZnFe}_2\text{O}_4$ photocatalysts for decolourization of organic dyes under solar irradiation. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 436-446.	1.5	77
23	Pyrochlore $\text{Ce}_2\text{Zr}_2\text{O}_7$ 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
24	Efficient hydrogen production by composite photocatalyst $\text{CdS}/\text{ZnS}/\text{Zirconium-titanium phosphate (ZTP)}$ under visible light illumination. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13452-13460.	3.8	72
25	$\text{ZnCr}_2\text{O}_4/\text{ZnO}/\text{g-C}_3\text{N}_4$ : 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
26	Facile fabrication of $\text{Bi}_2\text{O}_3/\text{Bi-NaTaO}_3$ photocatalysts for hydrogen generation under visible light irradiation. <i>RSC Advances</i> , 2012, 2, 9423.	1.7	61
27	Constructive Interfacial Charge Carrier Separation of a $\text{p-CaFe}_2\text{O}_4/\text{n-ZnFe}_2\text{O}_4$ Heterojunction Architect Photocatalyst toward Photodegradation of Antibiotics. <i>Inorganic Chemistry</i> , 2019, 58, 16592-16608.	1.9	60
28	Facile fabrication of hierarchical N-doped GaZn mixed oxides for water splitting reactions. <i>Journal of Materials Chemistry</i> , 2010, 20, 7144.	6.7	53
29	Solar-light induced photodegradation of organic pollutants over CdS-pillared zirconium-titanium phosphate (ZTP). <i>Journal of Molecular Catalysis A</i> , 2011, 349, 36-41.	4.8	51
30	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
31	Erratic charge transfer dynamics of $\text{Au}/\text{ZnTiO}_3$ nanocomposites under UV and visible light irradiation and their related photocatalytic activities. <i>Nanoscale</i> , 2018, 10, 18540-18554.	2.8	42
32	$\text{Gd}_2\text{Ti}_2\text{O}_7/\text{In}_2\text{O}_3$ : Efficient Visible-Light-Driven Heterojunction-Based Composite Photocatalysts for Hydrogen Production. <i>ChemCatChem</i> , 2013, 5, 2352-2359.	1.8	39
33	Heterojunction conception of $\text{n-La}_2\text{Ti}_2\text{O}_7/\text{p-CuO}$ in the limelight of photocatalytic formation of hydrogen under visible light. <i>RSC Advances</i> , 2014, 4, 14633.	1.7	39
34	Reduced Graphene Oxide/ $\text{InGaZn}$ Mixed Oxide Nanocomposite Photocatalysts for Hydrogen Production. <i>ChemSusChem</i> , 2014, 7, 585-597.	3.6	38
35	Quantum confinement chemistry of CdS QDs plus hot electron of Au over $\text{TiO}_2$ 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
36	Visible light response photocatalytic water splitting over CdS-pillared zirconium-titanium phosphate (ZTP). <i>International Journal of Hydrogen Energy</i> , 2010, 35, 5262-5269.	3.8	36

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37	Facile synthesis of InGaZn mixed oxide nanorods for enhanced hydrogen production under visible light. Dalton Transactions, 2012, 41, 14107.	1.6	36
38	Glimpses of the modification of perovskite with graphene-analogous materials in photocatalytic applications. Inorganic Chemistry Frontiers, 2015, 2, 807-823.	3.0	36
39	Rational Design of a Coupled Confronting Zr-Scheme System Toward Photocatalytic Refractory Pollutant Degradation and Water Splitting Reaction. Advanced Materials Interfaces, 2019, 6, 1900370.	1.9	36
40	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
41	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
42	Fabrication of NiO/Ta <sub>2</sub> O <sub>5</sub> composite photocatalyst for hydrogen production under visible light. International Journal of Energy Research, 2013, 37, 161-170.	2.2	22
43	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
44	Fabrication of nano N-doped In <sub>2</sub> Ga <sub>2</sub> ZnO <sub>7</sub> for photocatalytic hydrogen production under visible light. International Journal of Hydrogen Energy, 2012, 37, 17936-17946.	3.8	16
45	Enhancement of room temperature ferromagnetism in nanocrystalline Zr <sub>1-x</sub> Mn <sub>x</sub> O <sub>2</sub> by the suppression of monoclinic structure of zirconia. Journal of Magnetism and Magnetic Materials, 2020, 494, 165768.	1.0	10
46	Solar Fuels from CO <sub>2</sub> ; Photoreduction over Nano-Structured Catalysts. Materials Science Forum, 0, 855, 1-19.	0.3	4
47	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