

# Robabeh Bashiri

## List of Publications by Year in descending order

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36  
papers

826  
citations

393982

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37  
docs citations

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times ranked

959  
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#	ARTICLE	IF	CITATIONS
1	Exploring graphene quantum dots@TiO <sub>2</sub> rutile (0 1 1) interface for visible-driven hydrogen production in photoelectrochemical cell: Density functional theory and experimental study. Applied Surface Science, 2022, 576, 151871.	3.1	10
2	Hierarchically SrTiO <sub>3</sub> @TiO <sub>2</sub> @Fe <sub>2</sub> O <sub>3</sub> nanorod heterostructures for enhanced photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2021, 46, 24607-24619.	3.8	36
3	Hubbard's Modified Density Functional Theory Calculations for the Electronic Structure and Optical Properties of Carbon Doped Anatase TiO <sub>2</sub> . Springer Proceedings in Complexity, 2021, , 371-381.	0.2	2
4	Tailoring the morphological structure of BiVO <sub>4</sub> photocatalyst for enhanced photoelectrochemical solar hydrogen production from natural lake water. Applied Surface Science, 2020, 504, 144417.	3.1	48
5	Solvent exfoliated graphene incorporated mixed phase TiO <sub>2</sub> transparent photoelectrode for the efficient and color transparent dye-sensitized solar cell. Solar Energy, 2020, 206, 317-329.	2.9	14
6	Experimental and DFT Insights on Microflower g-C <sub>3</sub> N <sub>4</sub> /BiVO <sub>4</sub> Photocatalyst for Enhanced Photoelectrochemical Hydrogen Generation from Lake Water. ACS Sustainable Chemistry and Engineering, 2020, 8, 9393-9403.	3.2	59
7	Influence of growth time on photoelectrical characteristics and photocatalytic hydrogen production of decorated Fe <sub>2</sub> O <sub>3</sub> on TiO <sub>2</sub> nanorod in photoelectrochemical cell. Applied Surface Science, 2020, 510, 145482.	3.1	43
8	Improved photoelectrochemical hydrogen production over decorated titania with copper and nickel oxides by optimizing the photoanode and reaction characteristics. Materials Today Chemistry, 2020, 16, 100241.	1.7	9
9	Influence of seeding layer on photoelectrochemical hydrogen production over TiO <sub>2</sub> nanorod decorated with reduced graphene oxide. Diamond and Related Materials, 2019, 94, 194-202.	1.8	20
10	Few-layer graphene supported polyaniline (PANI) film as a transparent counter electrode for dye-sensitized solar cells. Diamond and Related Materials, 2019, 94, 242-251.	1.8	26
11	Optimization of hydrogen production over TiO <sub>2</sub> supported copper and nickel oxides: effect of photoelectrochemical features. Journal of Applied Electrochemistry, 2019, 49, 27-38.	1.5	2
12	Dual functional passivating layer of graphene/TiO <sub>2</sub> for improved performance of dye-sensitized solar cells. Applied Nanoscience (Switzerland), 2018, 8, 1001-1013.	1.6	19
13	Photoelectrochemical water splitting with tailored TiO <sub>2</sub> /SrTiO <sub>3</sub> @g-C <sub>3</sub> N <sub>4</sub> heterostructure nanorod in photoelectrochemical cell. Diamond and Related Materials, 2018, 85, 5-12.	1.8	44
14	Enhancement of hydrogen production over screen-printed TiO <sub>2</sub> /BiVO <sub>4</sub> thin film in the photoelectrochemical cells. Materials Letters, 2018, 211, 13-16.	1.3	51
15	One-Dimensional Titanium Dioxide and Its Application for Photovoltaic Devices. , 2018, , .		4
16	Exploring the role of electron-hole scavengers on optimizing the photocatalytic performance of BiVO <sub>4</sub> . Materials Today: Proceedings, 2018, 5, 21703-21709.	0.9	21
17	Optimization of photodegradation of methylene blue over modified TiO <sub>2</sub> /BiVo <sub>4</sub> photocatalysts: effects of total TiO <sub>2</sub> loading and different type of co-catalyst. Materials Today: Proceedings, 2018, 5, 21710-21717.	0.9	23
18	Potential Application of Metal-organic frameworks for Photocatalytic Water Splitting. Journal of Physics: Conference Series, 2018, 1123, 012055.	0.3	3

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19	Polyaniline (PANI)/reduced graphene oxide (rGO) composite as a counter electrode for dye solar cells.. Journal of Physics: Conference Series, 2018, 1123, 012012.	0.3	7
20	Photocatalytic water splitting over titania supported copper and nickel oxide in photoelectrochemical cell; optimization of photoconversion efficiency. IOP Conference Series: Materials Science and Engineering, 2018, 348, 012007.	0.3	0
21	Enhanced hydrogen production over incorporated Cu and Ni into titania photocatalyst in glycerol-based photoelectrochemical cell: Effect of total metal loading and calcination temperature. International Journal of Hydrogen Energy, 2017, 42, 9553-9566.	3.8	41
22	Synergistic effects of pH and calcination temperature on enhancing photodegradation performance of m-BiVO 4. Journal of the Taiwan Institute of Chemical Engineers, 2017, 81, 305-315.	2.7	30
23	Enhancing photoelectrochemical hydrogen production over Cu and Ni doped titania thin film: Effect of calcination duration. Journal of Environmental Chemical Engineering, 2017, 5, 3207-3214.	3.3	23
24	Investigation of photoconversion efficiency of Cu and Ni doped TiO2 thin film in photoelectrochemical cell. AIP Conference Proceedings, 2016, , .	0.3	0
25	Optimization hydrogen production over visible light-driven titania-supported bimetallic photocatalyst from water photosplitting in tandem photoelectrochemical cell. Renewable Energy, 2016, 99, 960-970.	4.3	25
26	Enhancing the efficiency of luminescent solar concentrators (LSCs). Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	22
27	Effect of Preparation Parameters on Optical Properties of Cu and Ni Doped TiO2 Photocatalyst. Procedia Engineering, 2016, 148, 151-157.	1.2	20
28	Effect of heat treatment on the physical properties of bimetallic doped catalyst, Cu-Ni/TiO2. AIP Conference Proceedings, 2015, , .	0.3	4
29	Hydrogen production from water photosplitting using Cu/TiO2 nanoparticles: Effect of hydrolysis rate and reaction medium. International Journal of Hydrogen Energy, 2015, 40, 6021-6037.	3.8	84
30	Photoelectrochemical behavior of bimetallic Cu-Ni and monometallic Cu, Ni doped TiO2 for hydrogen production. International Journal of Hydrogen Energy, 2015, 40, 14031-14038.	3.8	50
31	Nanopowders of 3D AgI coordination polymer: A new precursor for preparation of silver nanoparticles. Inorganica Chimica Acta, 2009, 362, 1035-1041.	1.2	37
32	A three-dimensional AgI coordination polymer constructed via $\text{I} \cdot 2 \text{Ag} \cdot \text{C}$ bonds: Thermal, fluorescence, structural and solution studies. Journal of Organometallic Chemistry, 2008, 693, 1903-1911.	0.8	29
33	Application of Experimental Statistical Method in Optimizing Preparation Variables for Cu-Ni/TiO <sub>2</sub> Photocatalyst. Applied Mechanics and Materials, 0, 625, 856-859.	0.2	4
34	Study on Synthesis and Characterization of Cu-Ni Doped TiO <sub>2</sub> by Sol-Gel Hydrothermal. Advanced Materials Research, 0, 925, 248-252.	0.3	4
35	Study on Synthesis and Characterization of Cu-Ni Doped TiO <sub>2</sub> by Sol-Gel Hydrothermal. Advanced Materials Research, 0, 925, 396-400.	0.3	7
36	Advancement of Sol-Gel Prepared TiO2 Photocatalyst. , 0, , .		5