

Robabeh Bashiri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7151856/publications.pdf>

Version: 2024-02-01

36
papers

826
citations

393982

19
h-index

500791

28
g-index

37
all docs

37
docs citations

37
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production from water photosplitting using Cu/TiO ₂ nanoparticles: Effect of hydrolysis rate and reaction medium. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6021-6037.	3.8	84
2	Experimental and DFT Insights on Microflower g-C ₃ N ₄ /BiVO ₄ Photocatalyst for Enhanced Photoelectrochemical Hydrogen Generation from Lake Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9393-9403.	3.2	59
3	Enhancement of hydrogen production over screen-printed TiO ₂ /BiVO ₄ thin film in the photoelectrochemical cells. <i>Materials Letters</i> , 2018, 211, 13-16.	1.3	51
4	Photoelectrochemical behavior of bimetallic Cu-Ni and monometallic Cu, Ni doped TiO ₂ for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14031-14038.	3.8	50
5	Tailoring the morphological structure of BiVO ₄ photocatalyst for enhanced photoelectrochemical solar hydrogen production from natural lake water. <i>Applied Surface Science</i> , 2020, 504, 144417.	3.1	48
6	Photoelectrochemical water splitting with tailored TiO ₂ /SrTiO ₃ @g-C ₃ N ₄ heterostructure nanorod in photoelectrochemical cell. <i>Diamond and Related Materials</i> , 2018, 85, 5-12.	1.8	44
7	Influence of growth time on photoelectrical characteristics and photocatalytic hydrogen production of decorated Fe ₂ O ₃ on TiO ₂ nanorod in photoelectrochemical cell. <i>Applied Surface Science</i> , 2020, 510, 145482.	3.1	43
8	Enhanced hydrogen production over incorporated Cu and Ni into titania photocatalyst in glycerol-based photoelectrochemical cell: Effect of total metal loading and calcination temperature. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9553-9566.	3.8	41
9	Nanopowders of 3D AgI coordination polymer: A new precursor for preparation of silver nanoparticles. <i>Inorganica Chimica Acta</i> , 2009, 362, 1035-1041.	1.2	37
10	Hierarchically SrTiO ₃ @TiO ₂ @Fe ₂ O ₃ nanorod heterostructures for enhanced photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24607-24619.	3.8	36
11	Synergistic effects of pH and calcination temperature on enhancing photodegradation performance of m-BiVO ₄ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 305-315.	2.7	30
12	A three-dimensional AgI coordination polymer constructed via $\hat{I}-2$ Ag-C bonds: Thermal, fluorescence, structural and solution studies. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1903-1911.	0.8	29
13	Few-layer graphene supported polyaniline (PANI) film as a transparent counter electrode for dye-sensitized solar cells. <i>Diamond and Related Materials</i> , 2019, 94, 242-251.	1.8	26
14	Optimization hydrogen production over visible light-driven titania-supported bimetallic photocatalyst from water photosplitting in tandem photoelectrochemical cell. <i>Renewable Energy</i> , 2016, 99, 960-970.	4.3	25
15	Enhancing photoelectrochemical hydrogen production over Cu and Ni doped titania thin film: Effect of calcination duration. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3207-3214.	3.3	23
16	Optimization of photodegradation of methylene blue over modified TiO ₂ /BiVO ₄ photocatalysts: effects of total TiO ₂ loading and different type of co-catalyst. <i>Materials Today: Proceedings</i> , 2018, 5, 21710-21717.	0.9	23
17	Enhancing the efficiency of luminescent solar concentrators (LSCs). <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	22
18	Exploring the role of electron-hole scavengers on optimizing the photocatalytic performance of BiVO ₄ . <i>Materials Today: Proceedings</i> , 2018, 5, 21703-21709.	0.9	21

#	ARTICLE	IF	CITATIONS
19	Effect of Preparation Parameters on Optical Properties of Cu and Ni Doped TiO ₂ Photocatalyst. <i>Procedia Engineering</i> , 2016, 148, 151-157.	1.2	20
20	Influence of seeding layer on photoelectrochemical hydrogen production over TiO ₂ nanorod decorated with reduced graphene oxide. <i>Diamond and Related Materials</i> , 2019, 94, 194-202.	1.8	20
21	Dual functional passivating layer of graphene/TiO ₂ for improved performance of dye-sensitized solar cells. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1001-1013.	1.6	19
22	Solvent exfoliated graphene incorporated mixed phase TiO ₂ transparent photoelectrode for the efficient and color transparent dye-sensitized solar cell. <i>Solar Energy</i> , 2020, 206, 317-329.	2.9	14
23	Exploring graphene quantum dots@TiO ₂ rutile (0 1 1) interface for visible-driven hydrogen production in photoelectrochemical cell: Density functional theory and experimental study. <i>Applied Surface Science</i> , 2022, 576, 151871.	3.1	10
24	Improved photoelectrochemical hydrogen production over decorated titania with copper and nickel oxides by optimizing the photoanode and reaction characteristics. <i>Materials Today Chemistry</i> , 2020, 16, 100241.	1.7	9
25	Study on Synthesis and Characterization of Cu-Ni Doped TiO ₂ by Sol-Gel Hydrothermal. <i>Advanced Materials Research</i> , 0, 925, 396-400.	0.3	7
26	Polyaniline (PANI)/reduced graphene oxide (rGO) composite as a counter electrode for dye solar cells. <i>Journal of Physics: Conference Series</i> , 2018, 1123, 012012.	0.3	7
27	Advancement of Sol-Gel Prepared TiO ₂ Photocatalyst. , 0, , .		5
28	Application of Experimental Statistical Method in Optimizing Preparation Variables for Cu-Ni/TiO ₂ Photocatalyst. <i>Applied Mechanics and Materials</i> , 0, 625, 856-859.	0.2	4
29	Study on Synthesis and Characterization of Cu-Ni Doped TiO ₂ by Sol-Gel Hydrothermal. <i>Advanced Materials Research</i> , 0, 925, 248-252.	0.3	4
30	Effect of heat treatment on the physical properties of bimetallic doped catalyst, Cu-Ni/TiO ₂ . <i>AIP Conference Proceedings</i> , 2015, , .	0.3	4
31	One-Dimensional Titanium Dioxide and Its Application for Photovoltaic Devices. , 2018, , .		4
32	Potential Application of Metal-organic frameworks for Photocatalytic Water Splitting. <i>Journal of Physics: Conference Series</i> , 2018, 1123, 012055.	0.3	3
33	Optimization of hydrogen production over TiO ₂ supported copper and nickel oxides: effect of photoelectrochemical features. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 27-38.	1.5	2
34	Hubbard's Modified Density Functional Theory Calculations for the Electronic Structure and Optical Properties of Carbon Doped Anatase TiO ₂ . <i>Springer Proceedings in Complexity</i> , 2021, , 371-381.	0.2	2
35	Investigation of photoconversion efficiency of Cu and Ni doped TiO ₂ thin film in photoelectrochemical cell. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
36	Photocatalytic water splitting over titania supported copper and nickel oxide in photoelectrochemical cell; optimization of photoconversion efficiency. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 348, 012007.	0.3	0