

Kai Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7114358/publications.pdf>

Version: 2024-02-01

20
papers

2,154
citations

516215

16
h-index

752256

20
g-index

20
all docs

20
docs citations

20
times ranked

3431
citing authors

#	ARTICLE	IF	CITATIONS
1	Gel-assisted synthesis of CIZS for visible-light photocatalytic reduction reaction. Chemical Engineering Journal, 2022, 429, 132364.	6.6	14
2	Inverted perovskite/silicon V-shaped tandem solar cells with 27.6% efficiency via self-assembled monolayer-modified nickel oxide layer. Journal of Materials Chemistry A, 2022, 10, 7251-7262.	5.2	24
3	Nickel doping as an effective strategy to promote separation of photogenerated charge carriers for efficient solar-fuel production. Catalysis Science and Technology, 2021, 11, 4012-4015.	2.1	8
4	Atomic arrangement matters: band-gap variation in composition-tunable (Ga _{1-x} Zn _x)(Ni _{1-x} O _x) nanowires. Matter, 2021, 4, 1054-1071.	5.0	14
5	La,Al-Codoped SrTiO ₃ as a Photocatalyst in Overall Water Splitting: Significant Surface Engineering Effects on Defect Engineering. ACS Catalysis, 2021, 11, 11429-11439.	5.5	83
6	Selective Growth of Stacking Fault Free ~100 nm Nanowires on a Polycrystalline Substrate for Energy Conversion Application. ACS Applied Materials & Interfaces, 2020, 12, 17676-17685.	4.0	8
7	Hierarchical Hollow Nanocages Derived from Polymer/Cobalt Complexes for Electrochemical Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2019, 7, 10912-10919.	3.2	31
8	Sonocatalytic degradation of organic pollutant by SnO ₂ /MWCNT nanocomposite. Diamond and Related Materials, 2017, 76, 177-183.	1.8	27
9	Polarization-induced saw-tooth-like potential distribution in zincblende-wurtzite superlattice for efficient charge separation. Nano Energy, 2017, 41, 101-108.	8.2	53
10	Sacrificial Interlayer for Promoting Charge Transport in Hematite Photoanode. ACS Applied Materials & Interfaces, 2017, 9, 42723-42733.	4.0	61
11	Functionalized nanostructures for enhanced photocatalytic performance under solar light. Beilstein Journal of Nanotechnology, 2014, 5, 994-1004.	1.5	22
12	Synthesis of CdS/CNTs photocatalysts and study of hydrogen production by photocatalytic water splitting. International Journal of Hydrogen Energy, 2013, 38, 13091-13096.	3.8	49
13	Metal sulphide semiconductors for photocatalytic hydrogen production. Catalysis Science and Technology, 2013, 3, 1672.	2.1	477
14	TiO ₂ Single Crystal with Four-Truncated Bipyramid Morphology as an Efficient Photocatalyst for Hydrogen Production. Small, 2013, 9, 2452-2459.	5.2	50
15	Graphene-Based Materials for Hydrogen Generation from Light-Driven Water Splitting. Advanced Materials, 2013, 25, 3820-3839.	11.1	704
16	A Photoelectrochemical Investigation on the Synergetic Effect between CdS and Reduced Graphene Oxide for Solar Energy Conversion. Chemistry - an Asian Journal, 2013, 8, 2395-2400.	1.7	45
17	Alkaline earth metal as a novel dopant for chalcogenide solid solution: Improvement of photocatalytic efficiency of Cd _{1-x} Zn _x S by barium surface doping. International Journal of Hydrogen Energy, 2011, 36, 9469-9478.	3.8	49
18	Influence of Sr-doping on the photocatalytic activities of Cd _{1-x} Zn _x S solid solution photocatalysts. International Journal of Hydrogen Energy, 2010, 35, 2048-2057.	3.8	123

#	ARTICLE	IF	CITATIONS
19	SrS/CdS composite powder as a novel photocatalyst for hydrogen production under visible light irradiation. International Journal of Hydrogen Energy, 2010, 35, 7080-7086.	3.8	39
20	Efficient solar hydrogen production by photocatalytic water splitting: From fundamental study to pilot demonstration. International Journal of Hydrogen Energy, 2010, 35, 7087-7097.	3.8	273