

Scheme Heterojunction TiO_2/CdS Nanorods
Production Photocatalyst

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Noble-metal-free NiS decorated organic-inorganic hybrid $\text{ZnxCd}_{1-x}\text{Se}$ -diethylenetriamine solid solution for hydrogen evolution. Applied Surface Science, 2020, 507, 145213.	3.1	17
2	Visible-light-driven $\text{HSr}_2\text{Nb}_3\text{O}_{10}/\text{CdS}$ heterojunctions for high hydrogen evolution activity. International Journal of Hydrogen Energy, 2020, 45, 2896-2908.	3.8	16
3	Nanostructured CdS for efficient photocatalytic H_2 evolution: A review. Science China Materials, 2020, 63, 2153-2188.	3.5	281
4	CuInS_2 nanoparticles embedded in mesoporous TiO_2 nanofibers for boosted photocatalytic hydrogen production. Journal of Materials Chemistry C, 2020, 8, 11001-11007.	2.7	29
5	Construction of TiO_2 nanosheets with exposed {001} facets/ $\text{Zn}_{0.2}\text{Cd}_{0.8}\text{S}$ -DETA heterostructure with enhanced visible light hydrogen production. Applied Surface Science, 2020, 516, 146141.	3.1	5
6	High-efficiency all-solid-state Z-scheme $\text{Ag}_3\text{PO}_4/\text{g-C}_3\text{N}_4/\text{MoSe}_2$ photocatalyst with boosted visible-light photocatalytic performance for antibiotic elimination. Applied Surface Science, 2020, 530, 147234.	3.1	59
7	Layered MoS_2 Grown on Anatase TiO_2 {001} Promoting Interfacial Electron Transfer to Enhance Photocatalytic Evolution of H_2 From H_2S . Frontiers in Environmental Chemistry, 2020, 1, .	0.7	2
8	Comparison of Eosin yellowish dye-sensitized and CdS-sensitized TiO_2 nanomaterial-based solid-state solar cells. Journal of Solid State Electrochemistry, 2020, 24, 2499-2509.	1.2	6
9	A semiconductor-insulator heterojunction induced by hydroxyl groups formed on the surface of SiO_2 microspheres. Applied Surface Science, 2020, 531, 147385.	3.1	16
10	$\text{Fe}_3\text{C}/\text{CdS}$ as noble-metal-free composite photocatalyst for highly enhanced photocatalytic H_2 production under visible light. Applied Catalysis A: General, 2020, 603, 117768.	2.2	34
11	Recent development in band engineering of binary semiconductor materials for solar driven photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 15985-16038.	3.8	187
12	CdS nanosheets decorated with Ni@graphene core-shell cocatalyst for superior photocatalytic H_2 production. Journal of Materials Science and Technology, 2020, 56, 170-178.	5.6	92
13	2D/2D $\text{Bi}_2\text{MoO}_6/\text{g-C}_3\text{N}_4$ S-scheme heterojunction photocatalyst with enhanced visible-light activity by Au loading. Journal of Materials Science and Technology, 2020, 56, 216-226.	5.6	172
14	Construction 0D TiO_2 nanoparticles/2D CoP nanosheets heterojunctions for enhanced photocatalytic H_2 evolution activity. Journal of Materials Science and Technology, 2020, 56, 196-205.	5.6	126
15	One-pot preparation of double S-scheme $\text{Bi}_2\text{S}_3/\text{MoO}_3/\text{C}_3\text{N}_4$ heterojunctions with enhanced photocatalytic activity originated from the effective charge pairs partition and migration. Applied Surface Science, 2020, 527, 146788.	3.1	37
16	Synergetic effect of ZnIn_2S_4 nanosheets with metal-organic framework molding heterostructure for efficient visible- light driven photocatalytic reduction of Cr(VI) . Arabian Journal of Chemistry, 2020, 13, 5939-5948.	2.3	20
17	$\text{BiVO}_4@/\text{MoS}_2$ core-shell heterojunction with improved photocatalytic activity for discoloration of Rhodamine B. Applied Surface Science, 2020, 528, 146949.	3.1	89
18	S-Scheme Heterojunction Photocatalyst. Chem, 2020, 6, 1543-1559.	5.8	1,993

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19	Embedding Pt nanoparticles at the interface of CdS/NaNbO ₃ nanorods heterojunction with bridge design for superior Z-Scheme photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 278, 119290.	10.8	63
20	Novel p-n type porous Ag ₂ O/Bi ₅ O ₇ I heterojunction for Uvâ€“Vis-NIR activated high efficient photocatalytic degradation of bisphenol A: Photoelectric properties and degradation mechanism. Applied Surface Science, 2020, 529, 147162.	3.1	41
21	The influence of the sacrificial agent nature on transformations of the Zn(OH) ₂ /Cd _{0.3} Zn _{0.7} S photocatalyst during hydrogen production under visible light. RSC Advances, 2020, 10, 1341-1350.	1.7	12
22	In ₂ O ₃ -(OH) /Bi ₂ MoO ₆ S-scheme heterojunction for enhanced photocatalytic performance. Journal of Materials Science and Technology, 2020, 56, 151-161.	5.6	87
23	2D/2D heterostructured photocatalyst: Rational design for energy and environmental applications. Science China Materials, 2020, 63, 2119-2152.	3.5	71
24	2D/2D/0D TiO ₂ /C ₃ N ₄ /Ti ₃ C ₂ MXene composite S-scheme photocatalyst with enhanced CO ₂ reduction activity. Applied Catalysis B: Environmental, 2020, 272, 119006.	10.8	604
25	Activation of graphitic carbon nitride by solvent-mediated supramolecular assembly for enhanced hydrogen evolution. Applied Surface Science, 2020, 525, 146444.	3.1	20
26	Recent advances in g-C ₃ N ₄ -based heterojunction photocatalysts. Journal of Materials Science and Technology, 2020, 56, 1-17.	5.6	297
27	S-scheme photocatalyst Bi ₂ O ₃ /TiO ₂ nanofiber with improved photocatalytic performance. Journal of Materials Science and Technology, 2020, 52, 145-151.	5.6	133
28	2D/2D step-scheme Î±-Fe ₂ O ₃ /Bi ₂ WO ₆ photocatalyst with efficient charge transfer for enhanced photo-Fenton catalytic activity. Chinese Journal of Catalysis, 2021, 42, 97-106.	6.9	131
29	Hierarchically porous S-scheme CdS/UiO-66 photocatalyst for efficient 4-nitroaniline reduction. Chinese Journal of Catalysis, 2021, 42, 78-86.	6.9	86
30	Zn Cd1â€“S quantum dot with enhanced photocatalytic H ₂ -production performance. Chinese Journal of Catalysis, 2021, 42, 15-24.	6.9	79
31	Sulfur-doped g-C ₃ N ₄ /TiO ₂ S-scheme heterojunction photocatalyst for Congo Red photodegradation. Chinese Journal of Catalysis, 2021, 42, 56-68.	6.9	493
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33	Fabrication of novel CoO/porous graphitic carbon nitride S-scheme heterojunction for efficient CO ₂ photoreduction. Materials Letters, 2021, 282, 128722.	1.3	33
34	Photocatalysis Within Intrinsic Spontaneous Polarization Electric Field. Solar Rrl, 2021, 5, 2000446.	3.1	18
35	S-scheme heterojunction based on p-type ZnMn ₂ O ₄ and n-type ZnO with improved photocatalytic CO ₂ reduction activity. Chemical Engineering Journal, 2021, 409, 127377.	6.6	269
36	Enhanced photocatalytic H ₂ production performance of CdS hollow spheres using C and Pt as bi-cocatalysts. Chinese Journal of Catalysis, 2021, 42, 743-752.	6.9	67

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38	CO ₂ selectivity of flower-like MoS ₂ grown on TiO ₂ nanofibers coated with acetic acid-treated graphitic carbon nitride. Solar Energy Materials and Solar Cells, 2021, 221, 110890.	3.0	23
39	Diethylenetriamine synergistic boosting photocatalytic performance with porous g-C ₃ N ₄ /CdS-diethylenetriamine 2D/2D S-scheme heterojunction. Journal of Alloys and Compounds, 2021, 863, 158068.	2.8	31
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43	Visible-Light Responsive TiO ₂ -Based Materials for Efficient Solar Energy Utilization. Advanced Energy Materials, 2021, 11, 2003303.	10.2	118
44	Simultaneous realization of sulfur-rich surface and amorphous nanocluster of NiS ₁₊ cocatalyst for efficient photocatalytic H ₂ evolution. Applied Catalysis B: Environmental, 2021, 280, 119455.	10.8	105
45	Hollow CdS-based photocatalysts. Journal of Materiomics, 2021, 7, 419-439.	2.8	72
46	Efficient interfacial charge transfer of 2D/2D porous carbon nitride/bismuth oxychloride step-scheme heterojunction for boosted solar-driven CO ₂ reduction. Journal of Colloid and Interface Science, 2021, 585, 684-693.	5.0	85
47	Internal electric field induced S-scheme heterojunction MoS ₂ /CoAl LDH for enhanced photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2021, 585, 470-479.	5.0	154
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56	Near-Infrared-Responsive Photocatalysts. Small Methods, 2021, 5, e2001042.	4.6	84
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78	Rational design of a cobalt sulfide/bismuth sulfide S-scheme heterojunction for efficient photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2021, 592, 237-248.	5.0	45
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127	ZIF-67 Dodecahedron Coupled with CoAl-Layered Double Hydroxide as S-Scheme Heterojunction for Efficient Visible-Light-Driven Hydrogen Evolution. SSRN Electronic Journal, 0, , .	0.4	0
128	Preparation of a Photosensitive Composite Carbon Fiber for Spilled Oil Cleaning. Journal of Composites Science, 2022, 6, 28.	1.4	3

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135	ZIF-67 derived hierarchical hollow Co ₃ S ₄ @Mo ₂ S ₃ dodecahedron with an S-scheme surface heterostructure for efficient photocatalytic hydrogen evolution. Catalysis Science and Technology, 2022, 12, 1144-1158.	2.1	21
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