

Zhi-liang Jin

List of Publications by Year in descending order

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217
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9,717
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30551

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Hexagonal CdS single crystals coupled with layered CoAl LDH as a step-scheme heterojunction for efficient photocatalytic hydrogen evolution. <i>Journal of Sol-Gel Science and Technology</i> , 2023, 107, 70-82.	1.1	4
2	Synergistic Effect of Bimetallic Sulfide Enhances the Performance of CdS Photocatalytic Hydrogen Evolution. <i>Advanced Sustainable Systems</i> , 2023, 7, .	2.7	28
3	Hierarchically Grown Ni ²⁺ /Mo ⁶⁺ /S Modified 2D CeO ₂ for High-Efficiency Photocatalytic Hydrogen Evolution. <i>Catalysis Letters</i> , 2022, 152, 931-943.	1.4	6
4	Unique ternary Ni-MOF-74/Ni ₂ P/MoS _x composite for efficient photocatalytic hydrogen production: Role of Ni ₂ P for accelerating separation of photogenerated carriers. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 385-397.	5.0	68
5	Metal organic framework-derived Co ₃ O ₄ /NiCo ₂ O ₄ hollow double-shell polyhedrons for effective photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2022, 571, 151288.	3.1	27
6	ZnCdS/NiAl hydrotalcite S-scheme heterojunction for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 292-304.	3.8	36
7	2D/3D ZIF-9/Mo ₁₅ S ₁₉ S-scheme Heterojunction for Productive Photocatalytic Hydrogen Evolution. <i>Energy Technology</i> , 2022, 10, 2100669.	1.8	4
8	Engineering a NiAl-LDH/CoS _x S-Scheme heterojunction for enhanced photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 686-697.	5.0	34
9	Hollow tubular Co ₉ S ₈ grown on In ₂ O ₃ to form S-scheme heterojunction for efficient and stable hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 1669-1682.	3.8	24
10	MoC quantum dots embedded in ultra-thin carbon film coupled with 3D porous g-C ₃ N ₄ for enhanced visible-light-driven hydrogen evolution. <i>Applied Catalysis A: General</i> , 2022, 630, 118457.	2.2	13
11	Interface engineering: Synergism between S-scheme heterojunctions and Mo-O bonds for promote photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 212-223.	5.0	28
12	Construction of a tandem S-scheme GDY/CuI/CdS-R heterostructure based on morphology-regulated graphdiyne (g-C ₂ H ₂) for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1976-1991.	5.2	58
13	Novel CuBr-assisted graphdiyne synthesis strategy and application for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2181-2193.	2.7	28
14	Co ₃ O ₄ modified Mn _{0.2} Cd _{0.8} S with different shells forms p-n heterojunction to optimize energy/mass transfer for efficient photocatalytic hydrogen evolution. <i>Separation and Purification Technology</i> , 2022, 285, 120318.	3.9	17
15	NiO and Co _{1.29} Ni _{1.71} O ₄ derived from NiCo LDH form S-scheme heterojunction for efficient photocatalytic hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2022, 904, 164041.	2.8	18
16	Etching C ₆ CoK ₃ N ₆ -induced ZnCdS for improved hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2022, 6, 408-419.	2.5	13
17	Lotus-leaf-like Bi ₂ O ₂ CO ₃ nanosheet combined with Mo ₂ S ₃ for higher photocatalytic hydrogen evolution. <i>Separation and Purification Technology</i> , 2022, 288, 120588.	3.9	79
18	Synergistic effect of the MoO ₂ /CeO ₂ S-scheme heterojunction on carbon rods for enhanced photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2022, 51, 2912-2922.	1.6	22

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19	ZIF-67 derived hollow double-shell core Co ₃ O ₄ modified g-C ₃ N ₄ to construct a heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Energy Research, 2022, 46, 7479-7494.	2.2	11
20	NiAl-LDH In-situ Derived Ni ₂ P and ZnCdS Nanoparticles Ingeniously Constructed S-Scheme Heterojunction for Photocatalytic Hydrogen Evolution. ChemCatChem, 2022, 14, .	1.8	65
21	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
22	Phosphorus modified Ni-MOF-74/BiVO ₄ S-scheme heterojunction for enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2022, 307, 121166.	10.8	106
23	Efficient photocatalytic hydrogen evolution over graphdiyne boosted with a cobalt sulfide formed S-scheme heterojunction. Chinese Journal of Catalysis, 2022, 43, 303-315.	6.9	175
24	2D CeO ₂ and a Partially Phosphated 2D Ni-Based Metal-Organic Framework Formed an S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Langmuir, 2022, 38, 2117-2131.	1.6	119
25	Rational Design of a Novel S-Scheme Heterojunction based on ZIF-67-Supported Ni-Fe Layered Double Hydroxide for Efficient Photocatalytic Hydrogen Generation. Energy & Fuels, 2022, 36, 2058-2067.	2.5	13
26	Phosphating MIL-53(Fe) as cocatalyst modified porous NiTiO ₃ for photocatalytic hydrogen production. Renewable Energy, 2022, 188, 132-144.	4.3	6
27	Design and Preparation of a CeVO ₄ /Zn _{0.5} Cd _{0.5} S S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 2474-2483.	2.5	35
28	Graphdiyne based GDY/CuI/NiO parallel double S-scheme heterojunction for efficient photocatalytic hydrogen evolution. 2D Materials, 2022, 9, 025014.	2.0	28
29	Spatially separated catalytic sites supplied with the Cd-MoS ₂ -In ₂ O ₃ ternary dumbbell S-scheme heterojunction for enhanced photocatalytic hydrogen production. Journal of Materials Chemistry A, 2022, 10, 10715-10728.	5.2	37
30	Bridging Effect of C Bond for Boosting Electron Transfer over Cubic Hollow CoS ₃ /g-C ₃ N ₄ Heterojunction toward Photocatalytic Hydrogen Production. Langmuir, 2022, 38, 3244-3256.	1.6	78
31	Construct 3D NiCo-LDH/Cu ₂ O p-n heterojunction via electrostatic self-assembly for enhanced photocatalytic hydrogen evolution. Journal of Industrial and Engineering Chemistry, 2022, 110, 491-502.	2.9	47
32	Regulation on MoO ₂ /MnO ₂ -CdO ₂ S-scheme heterojunction for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 11561-11573.	3.8	21
33	ZIF-67 dodecahedron coupled with CoAl-layered double hydroxide as S-scheme heterojunction for efficient visible-light-driven hydrogen evolution. Applied Surface Science, 2022, 592, 153300.	3.1	24
34	CoV-LDH and ZnCd _{1-x} S Solid-Solution Construct OD/3D S-Scheme Heterojunction for Activated Solar Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 5064-5075.	2.5	4
35	Activating and optimizing the MoS ₂ @MoO ₃ S-scheme heterojunction catalyst through interface engineering to form a sulfur-rich surface for photocatalyst hydrogen evolution. Chemical Engineering Journal, 2022, 438, 135238.	6.6	49
36	EDA-assisted synthesis of multifunctional snowflake-Cu ₂ S/CdZnS S-scheme heterojunction for improved the photocatalytic hydrogen evolution. Journal of Materials Science and Technology, 2022, 121, 28-39.	5.6	126

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37	Construction of CoP/Cu ₃ P/Ni ₂ P Double S-Scheme Heterojunctions for Improved Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6947-6959.	1.5	22
38	Design and synthesis of phosphating bimetallic CeCo-MOF for substantially improved photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8750-8761.	2.7	28
39	Amorphous WP-Modified Hierarchical ZnIn ₂ S ₄ Nanoflowers with Boosting Interfacial Charge Separation for Photocatalytic H ₂ Evolution. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	16
40	CoAl LDH in-situ derived CoAlP coupling with Ni ₂ P form S-scheme heterojunction for efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 23618-23631.	3.8	25
41	Amorphous/crystalline heterojunction interface driving the spatial separation of charge carriers for efficient photocatalytic hydrogen evolution. <i>Materials Today Physics</i> , 2022, 27, 100767.	2.9	20
42	<i>in Situ</i> Derivatization of NiAl-LDH/NiS a p-n Heterojunction for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2022, 5, 8157-8168.	2.5	10
43	Construction of CdS@Cu ₂ -xS core-shell p-n heterojunction with enhanced charge separation for wide spectrum photocatalytic H ₂ evolution. <i>Molecular Catalysis</i> , 2022, 528, 112417.	1.0	8
44	Interface engineering: Construction of an effective interfacial charge transfer channel via CeO ₂ /CoS _x S-scheme heterojunction. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108035.	3.3	7
45	Toilless selenylation route to enhance the supercapacitor conductive performance of nanoflower-like NiAl-layered double hydroxide. <i>Journal of Energy Storage</i> , 2022, 52, 104968.	3.9	11
46	Integrating Co ₃ O ₄ with ZnIn ₂ S ₄ p-n heterojunction for efficient photocatalytic hydrogen production. <i>International Journal of Energy Research</i> , 2022, 46, 15589-15601.	2.2	13
47	Graphdiyne (g-C ₆ H ₂ N ₂) based Co ₃ S ₄ anchoring and edge-covalently modification coupled with carbon-defects g-C ₃ N ₄ for photocatalytic hydrogen production. <i>Separation and Purification Technology</i> , 2022, 298, 121564.	3.9	73
48	Phosphorus ZIF-67@NiAl LDH S-scheme heterojunction for efficient photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2022, 601, 154174.	3.1	23
49	Rational Design of a Core-Shell-Shaped Flowerlike Mn _{0.05} Cd _{0.95} S@NiAl-LDH Structure for Efficient Hydrogen Evolution. <i>Catalysis Letters</i> , 2021, 151, 634-647.	1.4	22
50	Ordered Self-supporting NiV LDHs@P-Nickel foam Nano-array as High-Performance supercapacitor electrode. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 1-12.	5.0	53
51	Phosphatized mild-prepared-NiCo LDHs cabbage-like spheres exhibit excellent performance as a supercapacitor electrode. <i>New Journal of Chemistry</i> , 2021, 45, 251-261.	1.4	25
52	Oxygen-vacancy-rich cobalt-aluminium hydroxalite structures served as high-performance supercapacitor cathode. <i>Journal of Materials Chemistry C</i> , 2021, 9, 620-632.	2.7	41
53	A novel materials manganese cadmium sulfide/cobalt nitride for efficiently photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 217-228.	5.0	36
54	Interface engineering: NiAl-LDH in-situ derived NiP ₂ quantum dots and Cu ₃ P nanoparticles ingeniously constructed p-n heterojunction for photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021, 420, 127682.	6.6	108

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55	Amorphous Co ₃ S ₄ nanoparticle-modified tubular g-C ₃ N ₄ forms step-scheme heterojunctions for photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2021, 11, 943-955.	2.1	60
56	Theoretically guiding the construction of a novel Cu ₂ O@Cu ₉₇ P ₃ @Cu ₃ P heterojunction with a 3D hierarchical structure for efficient photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2021, 13, 1340-1353.	2.8	32
57	Regular octahedron Cu-MOFs modifies Mn _{0.05} Cd _{0.95} S nanoparticles to form a S-scheme heterojunction for photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7230-7240.	3.8	51
58	g-C ₃ N ₄ /±Fe ₂ O ₃ Supported Zero-Dimensional Co ₃ S ₄ Nanoparticles Form S-Scheme Heterojunction Photocatalyst for Efficient Hydrogen Production. <i>Energy & Fuels</i> , 2021, 35, 856-867.	2.5	53
59	Efficient hydrogen production at a rationally designed MoSe ₂ @Co ₃ O ₄ p-n heterojunction. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 84-94.	5.0	73
60	Oxygenâ€vacancyâ€rich hydrated bimetallic chloride for supercapacitor cathode with remarkable enhanced performance. <i>International Journal of Energy Research</i> , 2021, 45, 2899-2911.	2.2	6
61	Tribological properties of MoS ₂ coating for ultra-long wear-life and low coefficient of friction combined with additive g-C ₃ N ₄ in air. <i>Friction</i> , 2021, 9, 789-801.	3.4	30
62	CoAl LDH@Ni-MOF-74 S-Scheme Heterojunction for Efficient Hydrogen Evolution. <i>Transactions of Tianjin University</i> , 2021, 27, 127-138.	3.3	55
63	Enhanced effect of CdS on amorphous Mo ₁₅ S ₁₉ for photocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2021, 45, 3920-3931.	1.4	10
64	Design and preparation of a ternary MoC-QDs/C/Moâ€S heterojunction for enhanced eosin Y-sensitized photocatalytic hydrogen evolution. <i>New Journal of Chemistry</i> , 2021, 45, 11905-11917.	1.4	22
65	Amorphous Co ₃ O ₄ quantum dots hybridizing with 3D hexagonal CdS single crystals to construct a OD/3D pâ€n heterojunction for a highly efficient photocatalytic H ₂ evolution. <i>Dalton Transactions</i> , 2021, 50, 10501-10514.	1.6	35
66	Cd _{0.8} Mn _{0.2} S/MoO ₃ composites with an S-scheme heterojunction for efficient photocatalytic hydrogen evolution. <i>Dalton Transactions</i> , 2021, 50, 5360-5369.	1.6	18
67	Eosin Y-sensitized rose-like MoS _x and CeVO ₄ construct a direct Z-scheme heterojunction for efficient photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2021, 11, 4749-4762.	2.1	19
68	Ni-MOF-74 derived nickel phosphide and In ₂ O ₃ form S-scheme heterojunction for efficient hydrogen evolution. <i>New Journal of Chemistry</i> , 2021, 45, 16155-16167.	1.4	20
69	A new allotrope of carbon-graphdiyne, synthesis and application in photocatalytic hydrogen evolution with surface plasmon resonance enhancement. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4690-4700.	2.5	11
70	Hollow Nanorods and Amorphous Co ₉ S ₈ Quantum Dots Construct S-Scheme Heterojunction for Efficient Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2021, 125, 648-659.	1.5	23
71	OD CdxZn1-xS and amorphous Co ₉ S ₈ formed S-scheme heterojunction boosting photocatalytic hydrogen evolution. <i>Molecular Catalysis</i> , 2021, 501, 111378.	1.0	22
72	Sâ€scheme W ₁₈ O ₄₉ /Mn _{0.2} Cd _{0.8} S Heterojunction for Improved Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2021, 13, 2179-2190.	1.8	27

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73	Mn _{0.} <sc> ₀₅ Cd₀ </sc> _. <sc> ₉₅ S</sc> decorated <sc>MOF</sc> derived <sc> Co₉ S₈ </sc> hollow polyhedron for efficient photocatalytic hydrogen evolut. International Journal of Energy Research, 2021, 45, 13040-13054.	2.2	25
74	Amorphous CoS_{<i>x</i>} Growth on CaTiO₃ Nanocubes Formed S-Scheme Heterojunction for Photocatalytic Hydrogen Production. Energy & Fuels, 2021, 35, 6231-6239.	2.5	17
75	Cuboidal Cu ₂ O nanoparticles dispersed granular Mn _{0.05} Cd _{0.95} S form a p-n heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Energy Research, 2021, 45, 14959-14970.	2.2	5
76	ZIF-9 derived cobalt phosphide and In ₂ O ₃ as co-catalysts for efficient hydrogen production. Molecular Catalysis, 2021, 507, 111551.	1.0	5
77	Pristine hexagonal CdS assembled with NiV LDH nanosheet formed p-n heterojunction for efficient photocatalytic hydrogen evolution. Applied Surface Science, 2021, 548, 149212.	3.1	39
78	Graphdiyne Based Ternary GD-CuI-NiTiO ₃ S-Scheme Heterjunction Photocatalyst for Hydrogen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 24896-24906.	4.0	79
79	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
80	Pyramidal CdS Polyhedron Modified with NiAl LDH to Form S-scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ChemCatChem, 2021, 13, 3525-3535.	1.8	23
81	CeO ₂ nanoparticles dispersed on CoAl-LDH hexagonal nanosheets as 0D/2D binary composite for enhanced photocatalytic hydrogen evolution. Surfaces and Interfaces, 2021, 24, 101105.	1.5	15
82	2D CoP supported 0D WO ₃ constructed S-scheme for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 20560-20572.	3.8	67
83	Promotion of the excited electron transfer over MoO ₃ @Cu ₃ P p-n heterojunction for photocatalytic hydrogen production under visible light irradiation. Molecular Catalysis, 2021, 510, 111691.	1.0	12
84	Cube <sc> Cu₂ O</sc> modified <sc>CoAl-LDH</sc> p-n heterojunction for photocatalytic hydrogen evolution. International Journal of Energy Research, 2021, 45, 19014-19027.	2.2	12
85	Mn _{0.} <sc> ₂ Cd₀ </sc> _. <sc> ₈ S</sc> modified with <sc>3D</sc> flower-shaped Co₃ (<sc> PO₄ </sc>) ₂ for efficient phot. International Journal of Energy Research, 2021, 45, 19453-19466.	2.2	17
86	Strategy of Graphdiyne (g ⁿ C _n H _{2n-2}) Preparation Coupling with the Flower-Like NiAl-LDH Heterojunctions for Efficient Photocatalytic Hydrogen Evolution**. Chemistry - A European Journal, 2021, 27, 12649-12658.	1.7	22
87	Cobalt Nanoparticles Encapsulated in Hollow Carbon Nitride Nanotubes for Efficient Photocatalytic Hydrogen Evolution. Energy Technology, 2021, 9, 2100499.	1.8	6
88	A New Allotrope of Carbon "Graphdiyne (g ⁿ C _n H _{2n-2}) Boosting with Mn _{0.2} Cd _{0.8} S form S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Advanced Materials Interfaces, 2021, 8, 2100630.	1.9	26
89	3D mesoporous ultra-thin g-C ₃ N ₄ coupled with monoclinic β -AgVO ₃ as p-n heterojunction for photocatalytic hydrogen evolution. Molecular Catalysis, 2021, 513, 111828.	1.0	6
90	MoC quantum dots modified by CeO ₂ dispersed in ultra-thin carbon films for efficient photocatalytic hydrogen evolution. Molecular Catalysis, 2021, 513, 111829.	1.0	7

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91	Visible-light driven S-scheme Mn _{0.2} Cd _{0.8} S/CoTiO ₃ heterojunction for photocatalytic hydrogen evolution. <i>Renewable Energy</i> , 2021, 173, 389-400.	4.3	74
92	Tactfully Assembled CuMOF/CdS S-Scheme Heterojunction for High-Performance Photocatalytic H ₂ Evolution under Visible Light. <i>ACS Applied Energy Materials</i> , 2021, 4, 8550-8562.	2.5	21
93	Zn Vacancy Engineered S-scheme ZnCdS/ZnS Photocatalyst for Highly Efficient Photocatalytic H ₂ Evolution. <i>ChemCatChem</i> , 2021, 13, 4738-4750.	1.8	53
94	CdS Reinforced with CoS _x /NiCo-LDH Core-shell Co-catalyst Demonstrate High Photocatalytic Hydrogen Evolution and Durability in Anhydrous Ethanol. <i>Chemistry - A European Journal</i> , 2021, 27, 16448-16460.	1.7	9
95	Co ₃ O ₄ /CeO ₂ p-n heterojunction construction and application for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 33809-33822.	3.8	38
96	Mn _{0.05} Cd _{0.95} S/Cu ₂ SeI p-n heterojunction with high-conductivity for efficient photocatalytic hydrogen evolution. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 103, 222-231.	2.9	7
97	Hexagonal CdS assembled with lamellar NiCo LDH form S-scheme heterojunction for photocatalytic hydrogen evolution. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106128.	1.9	13
98	Visible-light-driven two dimensional metal-organic framework modified manganese cadmium sulfide for efficient photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 344-355.	5.0	31
99	NiCo LDH <i>in situ</i> derived NiCoP 3D nanoflowers coupled with a Cu ₃ P p-n heterojunction for efficient hydrogen evolution. <i>Nanoscale</i> , 2021, 13, 13858-13872.	2.8	35
100	MoP@MoO ₃ S-scheme heterojunction <i>in situ</i> construction with phosphating MoO ₃ for high-efficient photocatalytic hydrogen production. <i>Nanoscale</i> , 2021, 13, 18507-18519.	2.8	22
101	Zeolitic Imidazolate Framework-67-Derived P-Doped Hollow Porous Co ₃ O ₄ as a Photocatalyst for Hydrogen Production from Water. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50996-51007.	4.0	34
102	Effect of phosphating on NiAl-LDH layered double hydroxide form S-scheme heterojunction for photocatalytic hydrogen evolution. <i>Molecular Catalysis</i> , 2021, 516, 111990.	1.0	39
103	Snowflake-like Cu ₂ S Coated with NiAl-LDH Forms a p-n Heterojunction for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2021, 4, 14220-14231.	2.5	27
104	Graphdiyne (g-C ₂ H ₂) ² Coupled with Co ₃ O ₄ Formed a Zero-Dimensional/Two-Dimensional p-n Heterojunction for Efficient Hydrogen Evolution. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 18397-18407.	1.8	15
105	Hierarchical Co ₃ (PO ₄) ₂ /CuI/g-C ₂ H ₂ ² S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. <i>Inorganic Chemistry</i> , 2021, 60, 19402-19413.	1.9	13
106	Cu/CdS/MnO _x Nanostructure-Based Photocatalyst for Photocatalytic Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2021, 4, 13848-13860.	2.4	32
107	Performance of ZIF-67 Derived fold polyhedrons for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2020, 382, 123051.	6.6	165
108	Performance of WO ₃ /g-C ₃ N ₄ heterojunction composite boosting with NiS for photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 499, 143862.	3.1	125

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109	An amorphous nickel boride-modified Zn _x Cd _{1-x} S solid solution for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 1220-1231.	1.6	41
110	Amorphous tungsten phosphosulphide-modified CdS nanorods as a highly efficient electron-cocatalyst for enhanced photocatalytic hydrogen production. Physical Chemistry Chemical Physics, 2020, 22, 1932-1943.	1.3	26
111	CoP nanoparticles as cocatalyst modified the CdS/NiWO ₄ p-n heterojunction to produce hydrogen efficiently. New Journal of Chemistry, 2020, 44, 1426-1438.	1.4	40
112	Efficient Photocatalytic Hydrogen Production Achieved by WO ₃ Coupled with NiP ₂ Over ZIF-8. Catalysis Surveys From Asia, 2020, 24, 59-69.	1.0	10
113	Construction strategy of Mo-S@Mo-P heterojunction formed with in-situ phosphating Mo-S nanospheres toward efficient photocatalytic hydrogen production. Chemical Engineering Journal, 2020, 391, 123545.	6.6	68
114	Unique synergistic effects of ZIF-9(Co)-derived cobalt phosphide and CeVO ₄ heterojunction for efficient hydrogen evolution. Chinese Journal of Catalysis, 2020, 41, 82-94.	6.9	207
115	Facile synthesis of difunctional NiV LDH@ZIF-67 p-n junction: Serve as prominent photocatalyst for hydrogen evolution and supercapacitor electrode as well. Renewable Energy, 2020, 162, 535-549.	4.3	83
116	Efficient photocatalytic hydrogen production by Mn _{0.05} Cd _{0.95} S nanoparticles anchored on cubic NiSe ₂ . New Journal of Chemistry, 2020, 44, 14879-14889.	1.4	11
117	Graphdiyne formed a novel CuI-GD/g-C ₃ N ₄ S-scheme heterojunction composite for efficient photocatalytic hydrogen evolution. Sustainable Energy and Fuels, 2020, 4, 5088-5101.	2.5	76
118	Mn _{0.2} Cd _{0.8} S nanorods assembled with 0D CoWO ₄ nanoparticles formed p-n heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 26733-26745.	3.8	43
119	Phosphated 2D MoS ₂ nanosheets and 3D NiTiO ₃ nanorods for efficient photocatalytic hydrogen evolution. ChemCatChem, 2020, 12, 5492-5503.	1.8	31
120	A sea-urchin-structured NiCo ₂ O ₄ decorated Mn _{0.05} Cd _{0.95} S p-n heterojunction for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 13393-13405.	1.6	39
121	Amorphous NiCoB nanoalloy modified Mn _{0.05} Cd _{0.95} S for photocatalytic hydrogen evolution. Molecular Catalysis, 2020, 492, 111001.	1.0	24
122	Synergistic effect of MoS ₂ over WP photocatalyst for promoting hydrogen production. Journal of Solid State Chemistry, 2020, 288, 121419.	1.4	6
123	TiO ₂ as an interfacial-charge-transfer-bridge to construct eosin Y-mediated direct Z-scheme electron transfer over a Co ₉ S ₈ quantum dot/TiO ₂ photocatalyst. Catalysis Science and Technology, 2020, 10, 5267-5280.	2.1	48
124	Performance of Ni-Cu bimetallic co-catalyst g-C ₃ N ₄ nanosheets for improving hydrogen evolution. Journal of Materials Science and Technology, 2020, 49, 144-156.	5.6	139
125	Phosphating 2D CoAl LDH anchored on 3D self-assembled NiTiO ₃ hollow rods for efficient hydrogen evolution. Catalysis Science and Technology, 2020, 10, 2931-2947.	2.1	45
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