Zhi-liang Jin

List of Publications by Year
in descending order

217	9,717	26630	60623
papers	citations	56 h-index	81 g-index

217	217	217	4845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hexagonal CdS single crystals coupled with layered CoAl LDHâ€"a step-scheme heterojunction for efficient photocatalytic hydrogen evolution. Journal of Sol-Gel Science and Technology, 2023, 107, 70-82.	2.4	4
2	Synergistic Effect of Bimetallic Sulfide Enhances the Performance of CdS Photocatalytic Hydrogen Evolution. Advanced Sustainable Systems, 2023, 7, .	5.3	28
3	Hierarchically Grown Niâ€"Moâ€"S Modified 2D CeO2 for High-Efficiency Photocatalytic Hydrogen Evolution. Catalysis Letters, 2022, 152, 931-943.	2.6	6
4	Unique ternary Ni-MOF-74/Ni2P/MoSx composite for efficient photocatalytic hydrogen production: Role of Ni2P for accelerating separation of photogenerated carriers. Journal of Colloid and Interface Science, 2022, 605, 385-397.	9.4	68
5	Metal organic framework-derived Co3O4/NiCo2O4 hollow double-shell polyhedrons for effective photocatalytic hydrogen generation. Applied Surface Science, 2022, 571, 151288.	6.1	27
6	ZnCdS/NiAl hydrotalcite S-scheme heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 292-304.	7.1	36
7	2D/3D ZIFâ€9/Mo₁₅S₁₉ Sâ€Scheme Heterojunction for Productive Photocatalytic Hydrogen Evolution. Energy Technology, 2022, 10, 2100669.	3.8	4
8	Engineering a NiAl-LDH/CoSx S-Scheme heterojunction for enhanced photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2022, 609, 686-697.	9.4	34
9	Hollow tubular Co9S8 grown on In2O3 to form S-scheme heterojunction for efficient and stable hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 1669-1682.	7.1	24
10	MoC quantum dots embedded in ultra-thin carbon film coupled with 3D porous g-C3N4 for enhanced visible-light-driven hydrogen evolution. Applied Catalysis A: General, 2022, 630, 118457.	4.3	13
11	Interface engineering: Synergism between S-scheme heterojunctions and Mo-O bonds for promote photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2022, 609, 212-223.	9.4	28
12	Construction of a tandem S-scheme GDY/CuI/CdS-R heterostructure based on morphology-regulated graphdiyne (g-C_nH_{2nâ^'2}) for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2022, 10, 1976-1991.	10.3	58
13	Novel CuBr-assisted graphdiyne synthesis strategy and application for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry C, 2022, 10, 2181-2193.	5.5	28
14	Co3O4 modified Mn0.2Cd0.8S with different shells forms p-n heterojunction to optimize energy/mass transfer for efficient photocatalytic hydrogen evolution. Separation and Purification Technology, 2022, 285, 120318.	7.9	17
15	NiO and Co1.29Ni1.71O4 derived from NiCo LDH form S-scheme heterojunction for efficient photocatalytic hydrogen evolution. Journal of Alloys and Compounds, 2022, 904, 164041.	5.5	18
16	Etching C₆CoK₃N₆-induced ZnCdS for improved hydrogen evolution. Sustainable Energy and Fuels, 2022, 6, 408-419.	4.9	13
17	Lotus-leaf-like Bi2O2CO3 nanosheet combined with Mo2S3 for higher photocatalytic hydrogen evolution. Separation and Purification Technology, 2022, 288, 120588.	7.9	79
18	Synergistic effect of the MoO₂/CeO₂ S-scheme heterojunction on carbon rods for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2022, 51, 2912-2922.	3.3	22

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19	<scp>ZIF</scp> â€67 derived hollow doubleâ€shell core <scp> Co ₃ O ₄ </scp> modified <scp> gâ€C ₃ N ₄ </scp> to construct pâ€n heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Energy Research, 2022, 46, 7479-7494.	4.5	11
20	NiAlâ€LDH Inâ€Situ Derived Ni₂P and ZnCdS Nanoparticles Ingeniously Constructed Sâ€Scheme Heterojunction for Photocatalytic Hydrogen Evolution. ChemCatChem, 2022, 14, .	3.7	65
21	ZIF-67 derived hierarchical hollow Co₃S₄@Mo₂S₃ dodecahedron with an S-scheme surface heterostructure for efficient photocatalytic hydrogen evolution. Catalysis Science and Technology, 2022, 12, 1144-1158.	4.1	21
22	Phosphorus modified Ni-MOFâ€“74/BiVO4 S-scheme heterojunction for enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2022, 307, 121166.	20.2	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.	14.0	175
24	2D CeO₂ and a Partially Phosphated 2D Ni-Based Metalâ€“Organic Framework Formed an S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Langmuir, 2022, 38, 2117-2131.	3.5	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.	5.1	13
26	Phosphating MIL-53(Fe) as cocatalyst modified porous NiTiO3 for photocatalytic hydrogen production. Renewable Energy, 2022, 188, 132-144.	8.9	6
27	Design and Preparation of a CeVO₄/Zn_{0.5}Cd_{0.5}S S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 2474-2483.	5.1	35
28	Graphdiyne based GDY/CuI/NiO parallel double S-scheme heterojunction for efficient photocatalytic hydrogen evolution. 2D Materials, 2022, 9, 025014.	4.4	28
29	Spatially separated catalytic sites supplied with the CdSâ€“MoS₂â€“In₂O₃ ternary dumbbell S-scheme heterojunction for enhanced photocatalytic hydrogen production. Journal of Materials Chemistry A, 2022, 10, 10715-10728.	10.3	37
30	Bridging Effect of Sâ€“C Bond for Boosting Electron Transfer over Cubic Hollow CoS/g-C₃N₄ Heterojunction toward Photocatalytic Hydrogen Production. Langmuir, 2022, 38, 3244-3256.	3.5	78
31	Construct 3D NiCo-LDH/Cu2O p-n heterojunction via electrostatic self-assembly for enhanced photocatalytic hydrogen evolution. Journal of Industrial and Engineering Chemistry, 2022, 110, 491-502.	5.8	47
32	Regulation on MoO2/Mn0Â·2Cd0Â·8S S-scheme heterojunction for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 11561-11573.	7.1	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.	6.1	24
34	CoV-LDH and Zn_xCd_{1â€“x}S Solid-Solution Construct 0D/3D S-Scheme Heterojunction for Activated Solar Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 5064-5075.	5.1	4
35	Activating and optimizing the MoS2@MoO3 S-scheme heterojunction catalyst through interface engineering to form a sulfur-rich surface for photocatalyst hydrogen evolution. Chemical Engineering Journal, 2022, 438, 135238.	12.7	49
36	EDA-assisted synthesis of multifunctional snowflake-Cu2S/CdZnS S-scheme heterojunction for improved the photocatalytic hydrogen evolution. Journal of Materials Science and Technology, 2022, 121, 28-39.	10.7	126

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37	Construction of CoP/Cu₃P/Ni₂P Double S-Scheme Heterojunctions for Improved Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2022, 126, 6947-6959.	3.1	22
38	Design and synthesis of phosphating bimetallic CeCo-MOF for substantially improved photocatalytic hydrogen evolution. Journal of Materials Chemistry C, 2022, 10, 8750-8761.	5.5	28
39	Amorphous WPâ€Modified Hierarchical ZnIn₂S₄ Nanoflowers with Boosting Interfacial Charge Separation for Photocatalytic H₂ Evolution. Advanced Materials Interfaces, 2022, 9, .	3.7	16
40	CoAl LDH in-situ derived CoAlP coupling with Ni2P form S-scheme heterojunction for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2022, 47, 23618-23631.	7.1	25
41	Amorphous/crystalline heterojunction interface driving the spatial separation of charge carriers for efficient photocatalytic hydrogen evolution. Materials Today Physics, 2022, 27, 100767.	6.0	20
42	In Situ Derivatization of NiAl-LDH/NiS a pâ€“n Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2022, 5, 8157-8168.	5.1	10
43	Construction of CdS@Cu2-xS coreâ˜shell p-n heterojunction with enhanced charge separation for wide spectrum photocatalytic H2 evolution. Molecular Catalysis, 2022, 528, 112417.	2.0	8
44	Interface engineering: Construction of an effective interfacial charge transfer channel via CeO2/CoSx S-scheme heterojunction. Journal of Environmental Chemical Engineering, 2022, 10, 108035.	6.7	7
45	Toilless selenylation route to enhance the supercapacitor conductive performance of nanoflower-like NiAl-layered double hydroxide. Journal of Energy Storage, 2022, 52, 104968.	8.1	11
46	Integrating <scp> Co ₃ O ₄ </scp> with <scp> ZnIn ₂ S ₄ </scp> pâ€n heterojunction for efficient photocatalytic hydrogen production. International Journal of Energy Research, 2022, 46, 15589-15601.	4.5	13
47	Graphdiyne (g-CnH2n-2) based Co3S4 anchoring and edge-covalently modification coupled with carbon-defects g-C3N4 for photocatalytic hydrogen production. Separation and Purification Technology, 2022, 298, 121564.	7.9	73
48	Phosphorus ZIF-67@NiAl LDH S-scheme heterojunction for efficient photocatalytic hydrogen production. Applied Surface Science, 2022, 601, 154174.	6.1	23
49	Rational Design of a Coreâ€“Shell-Shaped Flowerlike Mn0.05Cd0.95S@NiAl-LDH Structure for Efficient Hydrogen Evolution. Catalysis Letters, 2021, 151, 634-647.	2.6	22
50	Ordered Self-supporting NiV LDHs@P-Nickel foam Nano-array as High-Performance supercapacitor electrode. Journal of Colloid and Interface Science, 2021, 583, 1-12.	9.4	53
51	Phosphatized mild-prepared-NiCo LDHs cabbage-like spheres exhibit excellent performance as a supercapacitor electrode. New Journal of Chemistry, 2021, 45, 251-261.	2.8	25
52	Oxygen-vacancy-rich cobaltâ€“aluminium hydrotalcite structures served as high-performance supercapacitor cathode. Journal of Materials Chemistry C, 2021, 9, 620-632.	5.5	41
53	A novel materials manganese cadmium sulfide/cobalt nitride for efficiently photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2021, 585, 217-228.	9.4	36
54	Interface engineering: NiAl-LDH in-situ derived NiP2 quantum dots and Cu3P nanoparticles ingeniously constructed p-n heterojunction for photocatalytic hydrogen evolution. Chemical Engineering Journal, 2021, 420, 127682.	12.7	108

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55	Amorphous Co₃S₄ nanoparticle-modified tubular g-C₃N₄ forms step-scheme heterojunctions for photocatalytic hydrogen production. Catalysis Science and Technology, 2021, 11, 943-955.	4.1	60
56	Theoretically guiding the construction of a novel Cu₂O@Cu₉₇P₃@Cu₃P heterojunction with a 3D hierarchical structure for efficient photocatalytic hydrogen evolution. Nanoscale, 2021, 13, 1340-1353.	5.6	32
57	Regular octahedron Cu-MOFs modifies Mn0.05Cd0.95S nanoparticles to form a S-scheme heterojunction for photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 7230-7240.	7.1	51
58	g-C₃N₄/Î±-Fe₂O₃ Supported Zero-Dimensional Co₃S₄ Nanoparticles Form S-Scheme Heterojunction Photocatalyst for Efficient Hydrogen Production. Energy & Fuels, 2021, 35, 856-867.	5.1	53
59	Efficient hydrogen production at a rationally designed MoSe2@Co3O4 p-n heterojunction. Journal of Colloid and Interface Science, 2021, 586, 84-94.	9.4	73
60	Oxygenâ€vacancyâ€rich hydrated bimetallic chloride for supercapacitor cathode with remarkable enhanced performance. International Journal of Energy Research, 2021, 45, 2899-2911.	4.5	6
61	Tribological properties of MoS2 coating for ultra-long wear-life and low coefficient of friction combined with additive g-C3N4 in air. Friction, 2021, 9, 789-801.	6.4	30
62	CoAl LDH@Ni-MOF-74 S-Scheme Heterojunction for Efficient Hydrogen Evolution. Transactions of Tianjin University, 2021, 27, 127-138.	6.4	55
63	Enhanced effect of CdS on amorphous Mo15S19 for photocatalytic hydrogen evolution. New Journal of Chemistry, 2021, 45, 3920-3931.	2.8	10
64	Design and preparation of a ternary MoC-QDs/C/Moâ€“S heterojunction for enhanced eosin Y-sensitized photocatalytic hydrogen evolution. New Journal of Chemistry, 2021, 45, 11905-11917.	2.8	22
65	Amorphous Co₃O₄ quantum dots hybridizing with 3D hexagonal CdS single crystals to construct a 0D/3D pâ€“n heterojunction for a highly efficient photocatalytic H₂ evolution. Dalton Transactions, 2021, 50, 10501-10514.	3.3	35
66	Cd_{0.8}Mn_{0.2}S/MoO₃ composites with an S-scheme heterojunction for efficient photocatalytic hydrogen evolution. Dalton Transactions, 2021, 50, 5360-5369.	3.3	18
67	Eosin Y-sensitized rose-like MoS_x and CeVO₄ construct a direct Z-scheme heterojunction for efficient photocatalytic hydrogen evolution. Catalysis Science and Technology, 2021, 11, 4749-4762.	4.1	19
68	Ni-MOF-74 derived nickel phosphide and In₂O₃ form S-scheme heterojunction for efficient hydrogen evolution. New Journal of Chemistry, 2021, 45, 16155-16167.	2.8	20
69	A new allotrope of carbon-graphdiyne, synthesis and application in photocatalytic hydrogen evolution with surface plasmon resonance enhancement. Sustainable Energy and Fuels, 2021, 5, 4690-4700.	4.9	11
70	Hollow Nanorods and Amorphous Co₉S₈ Quantum Dots Construct S-Scheme Heterojunction for Efficient Hydrogen Evolution. Journal of Physical Chemistry C, 2021, 125, 648-659.	3.1	23
71	0D CdxZn1-xS and amorphous Co9S8 formed S-scheme heterojunction boosting photocatalytic hydrogen evolution. Molecular Catalysis, 2021, 501, 111378.	2.0	22
72	Sâ€scheme W₁₈O₄₉/Mn_{0.2}Cd_{0.8}S Heterojunction for Improved Photocatalytic Hydrogen Evolution. ChemCatChem, 2021, 13, 2179-2190.	3.7	27

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73	Mn _{0.} <scp> ₀₅ Cd ₀ </scp> _. <scp> ₉₅ S </scp> decorated <scp>MOF</scp> â€derived <scp> Co ₉ S ₈ </scp> hollow polyhedron for efficient photocatalytic hydrogen evolut. International Journal of Energy Research, 2021, 45, 13040-13054.	4.5	25
74	Amorphous CoS_x Growth on CaTiO₃ Nanocubes Formed S-Scheme Heterojunction for Photocatalytic Hydrogen Production. Energy & Fuels, 2021, 35, 6231-6239.	5.1	17
75	Cuboidal Cu 2 O nanoparticles dispersed granular Mn 0. 05 Cd 0 . 95 S form a pâ€n heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Energy Research, 2021, 45, 14959-14970.	4.5	5
76	ZIF-9 derived cobalt phosphide and In2O3 as co-catalysts for efficient hydrogen production. Molecular Catalysis, 2021, 507, 111551.	2.0	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.	6.1	39
78	Graphdiyne Based Ternary GD-CuI-NiTiO₃ S-Scheme Heterjunction Photocatalyst for Hydrogen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 24896-24906.	8.0	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.	9.4	45
80	Pyramidal CdS Polyhedron Modified with NiAl LDH to Form Sâ€scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ChemCatChem, 2021, 13, 3525-3535.	3.7	23
81	CeO2 nanoparticles dispersed on CoAl-LDH hexagonal nanosheets as 0D/2D binary composite for enhanced photocatalytic hydrogen evolution. Surfaces and Interfaces, 2021, 24, 101105.	3.0	15
82	2D CoP supported 0D WO3 constructed S-scheme for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 20560-20572.	7.1	67
83	Promotion of the excited electron transfer over MoO3@Cu3P p-n heterojunction for photocatalytic hydrogen production under visible light irradiation. Molecular Catalysis, 2021, 510, 111691.	2.0	12
84	Cube <scp> Cu ₂ O </scp> modified <scp>CoALâ€LDH</scp> pâ€n heterojunction for photocatalytic hydrogen evolution. International Journal of Energy Research, 2021, 45, 19014-19027.	4.5	12
85	Mn _{0.} <scp> ₂ Cd ₀ </scp> _. <scp> ₈ S </scp> modified with <scp>3D</scp> flowerâ€shaped Co ₃ (<scp> PO ₄ </scp>) ₂ for efficient phot. International Journal of Energy Research, 2021, 45, 19453-19466.	4.5	17
86	Strategy of Graphdiyne (gâ€C_nH_{2nâ€2}) Preparation Coupling with the Flowerâ€Like NiAlâ€LDH Heterojunctions for Efficient Photocatalytic Hydrogen Evolution**. Chemistry - A European Journal, 2021, 27, 12649-12658.	3.3	22
87	Cobalt Nanoparticles Encapsulated in Hollow Carbon Nitride Nanotubes for Efficient Photocatalytic Hydrogen Evolution. Energy Technology, 2021, 9, 2100499.	3.8	6
88	A New Allotrope of Carbonâ€”Graphdiyne (gâ€C_nH₂_n_{â€2}) Boosting with Mn_{0.2}Cd_{0.8}S form Sâ€scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Advanced Materials Interfaces, 2021, 8, 2100630.	3.7	26
89	3D mesoporous ultra-thin g-C3N4 coupled with monoclinic Î²-AgVO3 as p-n heterojunction for photocatalytic hydrogen evolution. Molecular Catalysis, 2021, 513, 111828.	2.0	6
90	MoC quantum dots modified by CeO2 dispersed in ultra-thin carbon films for efficient photocatalytic hydrogen evolution. Molecular Catalysis, 2021, 513, 111829.	2.0	7

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91	Visible-light driven S-scheme Mn0.2Cd0.8S/CoTiO3 heterojunction for photocatalytic hydrogen evolution. Renewable Energy, 2021, 173, 389-400.	8.9	74
92	Tactfully Assembled CuMOF/CdS S-Scheme Heterojunction for High-Performance Photocatalytic H₂ Evolution under Visible Light. ACS Applied Energy Materials, 2021, 4, 8550-8562.	5.1	21
93	Znâ€Vacancy Engineered Sâ€Scheme ZnCdS/ZnS Photocatalyst for Highly Efficient Photocatalytic H₂ Evolution. ChemCatChem, 2021, 13, 4738-4750.	3.7	53
94	CdS Reinforced with CoS_X/NiCoâ€LDH Coreâ€shell Coâ€catalyst Demonstrate High Photocatalytic Hydrogen Evolution and Durability in Anhydrous Ethanol. Chemistry - A European Journal, 2021, 27, 16448-16460.	3.3	9
95	Co3O4/CeO2 p-n heterojunction construction and application for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2021, 46, 33809-33822.	7.1	38
96	Mn0.05Cd0.95S/Cu2SeI p-n heterojunction with high-conductivity for efficient photocatalytic hydrogen evolution. Journal of Industrial and Engineering Chemistry, 2021, 103, 222-231.	5.8	7
97	Hexagonal CdS assembled with lamellar NiCo LDH form S-scheme heterojunction for photocatalytic hydrogen evolution. Materials Science in Semiconductor Processing, 2021, 135, 106128.	4.0	13
98	Visible-light-driven two dimensional metal-organic framework modified manganese cadmium sulfide for efficient photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2021, 603, 344-355.	9.4	31
99	NiCo LDH in situ derived NiCoP 3D nanoflowers coupled with a Cu₃P pâ€“n heterojunction for efficient hydrogen evolution. Nanoscale, 2021, 13, 13858-13872.	5.6	35
100	MoP@MoO₃S-scheme heterojunctionin situconstruction with phosphating MoO₃for high-efficient photocatalytic hydrogen production. Nanoscale, 2021, 13, 18507-18519.	5.6	22
101	Zeolitic Imidazolate Framework-67-Derived P-Doped Hollow Porous Co₃O₄ as a Photocatalyst for Hydrogen Production from Water. ACS Applied Materials & Interfaces, 2021, 13, 50996-51007.	8.0	34
102	Effect of phosphating on NiAl-LDH layered double hydroxide form S-scheme heterojunction for photocatalytic hydrogen evolution. Molecular Catalysis, 2021, 516, 111990.	2.0	39
103	Snowflake-like Cu₂S Coated with NiAl-LDH Forms a pâ€“n Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Energy Materials, 2021, 4, 14220-14231.	5.1	27
104	Graphdiyne (g-C_nH_{2nâ€“2}) Coupled with Co₃O₄ Formed a Zero-Dimensional/Two-Dimensional pâ€“n Heterojunction for Efficient Hydrogen Evolution. Industrial & Engineering Chemistry Research, 2021, 60, 18397-18407.	3.7	15
105	Hierarchical Co₃(PO₄)₂/CuI/g-C_nH_{2nâ€“2} S-Scheme Heterojunction for Efficient Photocatalytic Hydrogen Evolution. Inorganic Chemistry, 2021, 60, 19402-19413.	4.0	13
106	Cu/CdS/MnO_x Nanostructure-Based Photocatalyst for Photocatalytic Hydrogen Evolution. ACS Applied Nano Materials, 2021, 4, 13848-13860.	5.0	32
107	Performance of ZIF-67 â€“ Derived fold polyhedrons for enhanced photocatalytic hydrogen evolution. Chemical Engineering Journal, 2020, 382, 123051.	12.7	165
108	Performance of WO3/g-C3N4 heterojunction composite boosting with NiS for photocatalytic hydrogen evolution. Applied Surface Science, 2020, 499, 143862.	6.1	125

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109	An amorphous nickel boride-modified Zn_xCd_{1â^'x}S solid solution for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 1220-1231.	3.3	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.	2.8	26
111	CoP nanoparticles as cocatalyst modified the CdS/NiWO₄ pâ€"n heterojunction to produce hydrogen efficiently. New Journal of Chemistry, 2020, 44, 1426-1438.	2.8	40
112	Efficient Photocatalytic Hydrogen Production Achieved by WO3 Coupled with NiP2 Over ZIF-8. Catalysis Surveys From Asia, 2020, 24, 59-69.	2.6	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.	12.7	68
114	Unique synergistic effects of ZIF-9(Co)-derived cobalt phosphide and CeVO4 heterojunction for efficient hydrogen evolution. Chinese Journal of Catalysis, 2020, 41, 82-94.	14.0	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.	8.9	83
116	Efficient photocatalytic hydrogen production by Mn_{0.05}Cd_{0.95}S nanoparticles anchored on cubic NiSe₂. New Journal of Chemistry, 2020, 44, 14879-14889.	2.8	11
117	Graphdiyne formed a novel CuI-GD/g-C₃N₄ S-scheme heterojunction composite for efficient photocatalytic hydrogen evolution. Sustainable Energy and Fuels, 2020, 4, 5088-5101.	4.9	76
118	Mn0.2Cd0.8S nanorods assembled with 0D CoWO4 nanoparticles formed p-n heterojunction for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 26733-26745.	7.1	43
119	Phosphated 2D MoS₂ nanosheets and 3D NiTiO₃ nanorods for efficient photocatalytic hydrogen evolution. ChemCatChem, 2020, 12, 5492-5503.	3.7	31
120	A sea-urchin-structured NiCo₂O₄decorated Mn_{0.05}Cd_{0.95}S pâ€"n heterojunction for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 13393-13405.	3.3	39
121	Amorphous NiCoB nanoalloy modified Mn0.05Cd0.95S for photocatalytic hydrogen evolution. Molecular Catalysis, 2020, 492, 111001.	2.0	24
122	Synergistic effect of MoS2 over WP photocatalyst for promoting hydrogen production. Journal of Solid State Chemistry, 2020, 288, 121419.	2.9	6
123	TiO₂ as an interfacial-charge-transfer-bridge to construct eosin Y-mediated direct Z-scheme electron transfer over a Co₉S₈ quantum dot/TiO₂ photocatalyst. Catalysis Science and Technology, 2020, 10, 5267-5280.	4.1	48
124	Performance of Ni-Cu bimetallic co-catalyst g-C3N4 nanosheets for improving hydrogen evolution. Journal of Materials Science and Technology, 2020, 49, 144-156.	10.7	139
125	Phosphating 2D CoAl LDH anchored on 3D self-assembled NiTiO₃ hollow rods for efficient hydrogen evolution. Catalysis Science and Technology, 2020, 10, 2931-2947.	4.1	45
126	Enhanced Hydrogen Evolution over Sea-Urchin-Structure NiCoP Decorated ZnCdS Photocatalyst. Catalysis Letters, 2020, 150, 2937-2950.	2.6	28

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127	Dodecahedron ZIF-67 anchoring ZnCdS particles for photocatalytic hydrogen evolution. Molecular Catalysis, 2020, 485, 110832.	2.0	61
128	Distinctive Improved Synthesis and Application Extensions Graphdiyne for Efficient Photocatalytic Hydrogen Evolution. ChemCatChem, 2020, 12, 1985-1995.	3.7	60
129	0D/2D spatial structure of Cd_xZn_{1â^'x}S/Ni-MOF-74 for efficient photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 5143-5156.	3.3	63
130	Rational design of a novel p-n heterojunction based on 3D layered nanoflower MoSx supported CoWO4 nanoparticles for superior photocatalytic hydrogen generation. Journal of Colloid and Interface Science, 2020, 569, 34-49.	9.4	71
131	Self-assembly of zinc cadmium sulfide nanorods into nanoflowers with enhanced photocatalytic hydrogen production activity. Journal of Colloid and Interface Science, 2020, 567, 357-368.	9.4	57
132	Based on amorphous carbon C@ZnxCd1-xS/Co3O4 composite for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 8405-8417.	7.1	45
133	Rational Design of All-Solid-State 0D/2D Mn_{0.2}Cd_{0.8}S/CeO₂ Direct Z-Scheme for Photocatalytic Hydrogen Evolution. Energy & Fuels, 2020, 34, 2599-2611.	5.1	61
134	3D layered nano-flower MoSx anchored with CoP nanoparticles form double proton adsorption site for enhanced photocatalytic hydrogen evolution under visible light driven. International Journal of Hydrogen Energy, 2020, 45, 2578-2592.	7.1	48
135	ZnxCd1-xS nanoparticles dispersed on CoAl-layered double hydroxide in 2D heterostructure for enhanced photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2020, 572, 62-73.	9.4	56
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137	MOFs-derived Cu3P@CoP p-n heterojunction for enhanced photocatalytic hydrogen evolution. Chemical Engineering Journal, 2020, 395, 125113.	12.7	143
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