Guorong Wang

List of Publications by Year in descending order

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61 papers	2,562 citations	147566 31 h-index	197535 49 g-index
61 all docs	61 docs citations	61 times ranked	1547 citing authors

#	Article	IF	Citations
1	MOFs-derived Cu3P@CoP p-n heterojunction for enhanced photocatalytic hydrogen evolution. Chemical Engineering Journal, 2020, 395, 125113.	6.6	143
2	Well-regulated nickel nanoparticles functional modified ZIF-67 (Co) derived Co3O4/CdS p-n heterojunction for efficient photocatalytic hydrogen evolution. Applied Surface Science, 2018, 462, 213-225.	3.1	129
3	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.	5.6	126
4	Efficient hydrogen production over MOFs (ZIF-67) and g-C3N4 boosted with MoS2 nanoparticles. International Journal of Hydrogen Energy, 2018, 43, 13039-13050.	3.8	91
5	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
6	2D/1D Zn0.7Cd0.3S p-n heterogeneous junction enhanced with NiWO4 for efficient photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2019, 554, 113-124.	5.0	77
7	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.	2.5	76
8	Visible Light Harvesting and Spatial Charge Separation over the Creative Ni/CdS/Co₃O₄ Photocatalyst. Journal of Physical Chemistry C, 2018, 122, 10430-10441.	1.5	75
9	Orderly-designed Ni2P nanoparticles on g-C3N4 and UiO-66 for efficient solar water splitting. Journal of Colloid and Interface Science, 2018, 532, 287-299.	5.0	72
10	CdS pâ€“n heterojunction co-boosting with Co₃O₄ and Ni-MOF-74 for photocatalytic hydrogen evolution. Dalton Transactions, 2018, 47, 11176-11189.	1.6	70
11	Ostensibly phosphatized NiAl LDHs nanoflowers with remarkable charge storage property for asymmetric supercapacitors. Journal of Colloid and Interface Science, 2020, 577, 115-126.	5.0	68
12	Distinctive organized molecular assemble of MoS₂, MOF and Co₃O₄, for efficient dye-sensitized photocatalytic H₂ evolution. Catalysis Science and Technology, 2018, 8, 2352-2363.	2.1	63
13	Light-assisted synthesis MoS_x as a noble metal free cocatalyst formed heterojunction CdS/Co₃O₄ photocatalyst for visible light harvesting and spatial charge separation. Dalton Transactions, 2018, 47, 6973-6985.	1.6	61
14	Dodecahedron ZIF-67 anchoring ZnCdS particles for photocatalytic hydrogen evolution. Molecular Catalysis, 2020, 485, 110832.	1.0	61
15	Light harvesting and charge management by Ni4S3 modified metalâ”organic frameworks and rGO in the process of photocatalysis. Journal of Colloid and Interface Science, 2018, 529, 44-52.	5.0	60
16	Distinctive Improved Synthesis and Application Extensions Graphdiyne for Efficient Photocatalytic Hydrogen Evolution. ChemCatChem, 2020, 12, 1985-1995.	1.8	60
17	Photoelectron directional transfer over a g-C₃N₄/CdS heterojunction modulated with WP for efficient photocatalytic hydrogen evolution. Dalton Transactions, 2019, 48, 4341-4352.	1.6	58
18	Construction of a tandem S-scheme GDY/CuI/CdS-R heterostructure based on morphology-regulated graphdiyne (g-C_nH_{2n}â”2</sub>) for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2022, 10, 1976-1991.	5.2	58

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19	Unique photocatalytic activities of transition metal phosphide for hydrogen evolution. Journal of Colloid and Interface Science, 2019, 541, 287-299.	5.0	57
20	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.	5.0	53
21	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.	3.8	51
22	An orderly assembled g-C3N4, rGO and Ni2P photocatalyst for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 10316-10327.	3.8	50
23	A phosphatized NiCo LDH 1D dendritic electrode for high energy asymmetric supercapacitors. Dalton Transactions, 2019, 48, 14853-14863.	1.6	48
24	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.	3.8	48
25	Phosphating 2D CoAl LDH anchored on 3D self-assembled NiTiO₃ hollow rods for efficient hydrogen evolution. Catalysis Science and Technology, 2020, 10, 2931-2947.	2.1	45
26	Based on amorphous carbon C@ZnxCd1-xS/Co3O4 composite for efficient photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 8405-8417.	3.8	45
27	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.	3.8	43
28	Charge transfer behaviors over MOF-5@g-C 3 N 4 with Ni x Mo 1â^'x S 2 modification. International Journal of Hydrogen Energy, 2018, 43, 9914-9923.	3.8	41
29	An amorphous nickel boride-modified Zn_xCd_{1â^'x}S solid solution for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2020, 49, 1220-1231.	1.6	41
30	Oxygen-vacancy-rich cobaltâ€“aluminium hydrotalcite structures served as high-performance supercapacitor cathode. Journal of Materials Chemistry C, 2021, 9, 620-632.	2.7	41
31	Growth of Zn_{0.5}Cd_{0.5}S/Î±-Ni(OH)₂ heterojunction by a facile hydrothermal transformation efficiently boosting photocatalytic hydrogen production. New Journal of Chemistry, 2019, 43, 6411-6421.	1.4	37
32	Phosphated 2D MoS₂ nanosheets and 3D NiTiO₃ nanorods for efficient photocatalytic hydrogen evolution. ChemCatChem, 2020, 12, 5492-5503.	1.8	31
33	Graphdiyne based GDY/CuI/NiO parallel double S-scheme heterojunction for efficient photocatalytic hydrogen evolution. 2D Materials, 2022, 9, 025014.	2.0	28
34	Noble-Metal-Free Visible Light Driven Hetero-structural Ni/ZnxCd1â^'xS Photocatalyst for Efficient Hydrogen Production. Catalysis Letters, 2019, 149, 1788-1799.	1.4	27
35	Insights into the unique role of cobalt phosphide for boosting hydrogen evolution activity based on MIL-125-NH2. International Journal of Hydrogen Energy, 2019, 44, 17909-17921.	3.8	26
36	Charge separation and electron transfer routes modulated with Co-Mo-P over g-C3N4 photocatalyst. Molecular Catalysis, 2019, 462, 46-55.	1.0	25

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37	Phosphatized mild-prepared-NiCo LDHs cabbage-like spheres exhibit excellent performance as a supercapacitor electrode. New Journal of Chemistry, 2021, 45, 251-261.	1.4	25
38	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.	3.8	25
39	Amorphous NiCoB nanoalloy modified Mn0.05Cd0.95S for photocatalytic hydrogen evolution. Molecular Catalysis, 2020, 492, 111001.	1.0	24
40	Hollow Nanorods and Amorphous Co₉S₈ Quantum Dots Construct S-Scheme Heterojunction for Efficient Hydrogen Evolution. Journal of Physical Chemistry C, 2021, 125, 648-659.	1.5	23
41	Phosphorus ZIF-67@NiAl LDH S-scheme heterojunction for efficient photocatalytic hydrogen production. Applied Surface Science, 2022, 601, 154174.	3.1	23
42	Strategy of nitrogen defects sponge from g-C 3 N 4 nanosheets and Ni-Bi-Se complex modification for efficient dye-sensitized photocatalytic H 2 evolution. Molecular Catalysis, 2018, 453, 1-11.	1.0	22
43	Effect of Ni(OH)2 on CdS@g-C3N4 Composite for Efficient Photocatalytic Hydrogen Production. Catalysis Letters, 2019, 149, 1174-1185.	1.4	22
44	Rational Design of a Coreâ€“Shell-Shaped Flowerlike Mn0.05Cd0.95S@NiAl-LDH Structure for Efficient Hydrogen Evolution. Catalysis Letters, 2021, 151, 634-647.	1.4	22
45	Construction of CoP/Cu₃P/Ni₂P Double S-Scheme Heterojunctions for Improved Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2022, 126, 6947-6959.	1.5	22
46	â€œShip in a Bottleâ€•design of ZIF-9@CoAl LDH hybrid compound as a high performance asymmetric supercapacitor. New Journal of Chemistry, 2020, 44, 7528-7540.	1.4	21
47	Tactfully Assembled CuMOF/CdS S-Scheme Heterojunction for High-Performance Photocatalytic H₂ Evolution under Visible Light. ACS Applied Energy Materials, 2021, 4, 8550-8562.	2.5	21
48	Hydroxides Ni(OH)₂&Ce(OH)₃ as a novel hole storage layer for enhanced photocatalytic hydrogen evolution. Dalton Transactions, 2019, 48, 17660-17672.	1.6	19
49	The methodologically obtained derivative of ZIF-67 metalâ€“organic frameworks present impressive supercapacitor performance. New Journal of Chemistry, 2022, 46, 7230-7241.	1.4	18
50	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.	1.8	15
51	Toilless sulfuration route to enhance the supercapacitor performance of nanoflower-like NiAl-layered double hydroxide. Journal of Electroanalytical Chemistry, 2022, 916, 116368.	1.9	13
52	CoSe2 Clusters as Efficient Co-Catalyst Modified CdS Nanorod for Enhance Visible Light Photocatalytic H2 Evolution. Catalysts, 2019, 9, 616.	1.6	11
53	Function of NiSe2 over CdS nanorods for enhancement of photocatalytic hydrogen production â€” From preparation to mechanism. Applied Surface Science, 2019, 467-468, 1239-1248.	3.1	11
54	Toilless selenylation route to enhance the supercapacitor conductive performance of nanoflower-like NiAl-layered double hydroxide. Journal of Energy Storage, 2022, 52, 104968.	3.9	11

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55	Enhanced effect of CdS on amorphous Mo15S19 for photocatalytic hydrogen evolution. New Journal of Chemistry, 2021, 45, 3920-3931.	1.4	10
56	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.	1.7	9
57	Orderly designed functional phosphide nanoparticles modified g-C3N4 for efficient photocatalytic hydrogen evolution. Journal of Sol-Gel Science and Technology, 2019, 90, 565-577.	1.1	7
58	Oxygenâ€vacancyâ€rich hydrated bimetallic chloride for supercapacitor cathode with remarkable enhanced performance. International Journal of Energy Research, 2021, 45, 2899-2911.	2.2	6
59	Phosphating MIL-53(Fe) as cocatalyst modified porous NiTiO3 for photocatalytic hydrogen production. Renewable Energy, 2022, 188, 132-144.	4.3	6
60	Rationally Designed Functional Ni₂P Nanoparticles as Coâ€“Catalyst Modified CdS@gâ€C₃N₄ Heterojunction for Efficient Photocatalytic Hydrogen Evolution. ChemistrySelect, 2019, 4, 3602-3610.	0.7	4
61	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.	2.5	4