Bing Luo

List of Publications by Year in descending order

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		430874	434195
34	1,020	18	31
papers	citations	h-index	g-index

35	35	35	994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards the prominent cocatalytic effect of ultra-small CoP particles anchored on g-C3N4 nanosheets for visible light driven photocatalytic H2 production. Applied Catalysis B: Environmental, 2019, 256, 117819.	20.2	112
2	Rapid high-temperature treatment on graphitic carbon nitride for excellent photocatalytic H2-evolution performance. Applied Catalysis B: Environmental, 2018, 233, 80-87.	20.2	79
3	Synergistic effect of nitrogen vacancy on ultrathin graphitic carbon nitride porous nanosheets for highly efficient photocatalytic H2 evolution. Chemical Engineering Journal, 2022, 431, 134101.	12.7	74
4	ZnCr LDH nanosheets modified graphitic carbon nitride for enhanced photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 23427-23436.	7.1	61
5	Photothermocatalytic Hydrogen Evolution over Ni₂P/TiO₂ for Full-Spectrum Solar Energy Conversion. Industrial & Engineering Chemistry Research, 2018, 57, 7846-7854.	3.7	61
6	Significantly enhanced photothermal catalytic hydrogen evolution over Cu2O-rGO/TiO2 composite with full spectrum solar light. Journal of Colloid and Interface Science, 2022, 608, 2058-2065.	9.4	53
7	Highly efficient photocatalytic H 2 evolution using TiO 2 nanoparticles integrated with electrocatalytic metal phosphides as cocatalysts. Applied Surface Science, 2017, 416, 957-964.	6.1	50
8	Facile preparation with high yield of a 3D porous graphitic carbon nitride for dramatically enhanced photocatalytic H2 evolution under visible light. Applied Catalysis B: Environmental, 2018, 238, 294-301.	20.2	50
9	Significantly enhanced photocatalytic hydrogen generation over graphitic carbon nitride with carefully modified intralayer structures. Chemical Engineering Journal, 2018, 332, 499-507.	12.7	47
10	Synergetic coupling of photo and thermal energy for efficient hydrogen production by formic acid reforming. AICHE Journal, 2017, 63, 2916-2925.	3.6	40
11	Engineering a Copper@Polypyrrole Nanowire Network in the Near Field for Plasmon-Enhanced Solar Evaporation. ACS Nano, 2021, 15, 16376-16394.	14.6	39
12	Polymer Photoelectrodes for Solar Fuel Production: Progress and Challenges. Chemical Reviews, 2022, 122, 11778-11829.	47.7	39
13	Modeling of anisotropic flow and thermodynamic properties of magnetic nanofluids induced by external magnetic field with varied imposing directions. Journal of Applied Physics, 2015, 118, .	2.5	34
14	Eco-friendly quantum dots for liquid luminescent solar concentrators. Journal of Materials Chemistry A, 2020, 8, 1787-1798.	10.3	34
15	Efficient NiSx cocatalyst to promote visible light photocatalytic H2 production over g-C3N4: A novel solvothermal synthesis method. Applied Surface Science, 2020, 511, 145646.	6.1	26
16	Strengthened spatial charge separation over Z-scheme heterojunction photocatalyst for efficient photocatalytic H2 evolution. Applied Surface Science, 2019, 475, 453-461.	6.1	23
17	Plasmonâ€induced photothermal effect of subâ€10â€nm Cu nanoparticles enables boosted fullâ€spectrum solar <scp>H₂</scp> production. AICHE Journal, 2020, 66, e17008.	3.6	23
18	High efficiency photoelectrochemical hydrogen generation using eco-friendly Cu doped Zn-In-Se colloidal quantum dots. Nano Energy, 2021, 88, 106220.	16.0	23

#	Article	IF	Citations
19	Boosting photoelectrochemical hydrogen generation on Cu-doped AgIn₅S₈/ZnS colloidal quantum dot sensitized photoanodes via shell-layer homojunction defect passivation. Journal of Materials Chemistry A, 2020, 8, 24655-24663.	10.3	18
20	Efficient photothermocatalytic hydrogen production performance over a graphene-titanium dioxide hybrid nanomaterial. International Journal of Hydrogen Energy, 2021, 46, 2871-2877.	7.1	16
21	Efficient photothermal-assisted photocatalytic hydrogen production over a plasmonic CuNi bimetal cocatalyst. Journal of Colloid and Interface Science, 2022, 626, 975-984.	9.4	14
22	State-of-the-art progress in overall water splitting of carbon nitride based photocatalysts. Frontiers in Energy, 2021, 15, 600-620.	2.3	13
23	Significantly Enhanced Photocatalytic Hydrogen Generation over a 2D/2D Z-Scheme La₂NiO₄/g-C₃N₄ Hybrid Free of Noble Metal Cocatalyst. ACS Applied Energy Materials, 2021, 4, 10721-10730.	5.1	13
24	Efficient photothermal catalytic hydrogen production via plasma-induced photothermal effect of Cu/TiO2 nanoparticles. International Journal of Hydrogen Energy, 2023, 48, 6336-6345.	7.1	12
25	Unlocking the effects of Cu doping in heavy-metal-free AgIn₅S₈ quantum dots for highly efficient photoelectrochemical solar energy conversion. Journal of Materials Chemistry C, 2021, 9, 9610-9618.	5.5	10
26	In situsynthesis of ultrafine metallic MoO₂/carbon nitride nanosheets for efficient photocatalytic hydrogen generation: a prominent cocatalytic effect. Catalysis Science and Technology, 2020, 10, 4053-4060.	4.1	9
27	Hollow Carbon Sphereâ€Modified Graphitic Carbon Nitride for Efficient Photocatalytic H₂ Production. Chemistry - A European Journal, 2021, 27, 16879-16888.	3.3	9
28	Morphologies dependence of hydrogen evolution over CeO2 via ultrasonic triggering. International Journal of Hydrogen Energy, 2022, 47, 15149-15159.	7.1	9
29	Particle aggregation behavior during photocatalytic ethanol reforming reaction and its correlation with the activity of H2 production. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 535, 114-120.	4.7	7
30	Hydrogen production versus photocatalyst dimension under concentrated solar light: A case over titanium dioxide. Solar Energy, 2021, 230, 538-548.	6.1	6
31	Urchinlike Carbon-Coated TiO₂ Microspheres with Enhanced Photothermalâ€“Photocatalytic Hydrogen Evolution Performance for Full-Spectrum Solar Energy Conversion. Industrial & Engineering Chemistry Research, 2022, 61, 6436-6447.	3.7	6
32	The in situ photodeposition fabrication of a Ni_xCo_y/g-C₃N₄ photocatalyst for efficient catalytic hydrogen generation. Catalysis Science and Technology, 2021, 11, 7624-7631.	4.1	5
33	Efficient photothermal catalytic hydrogen production over nonplasmonic Pt metal supported on TiO₂. Proceedings of SPIE, 2016, , .	0.8	4
34	Determination of the real quantum yield of the heterogeneous photocatalytic H2 production reaction and insights. Measurement Science and Technology, 2021, 32, 045901.	2.6	1