Xiaolei Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

20	1,132	471509 17	839539 18
papers	citations	h-index	g-index

20	20	20	1251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of synergetic phosphorus and cyano groups (C N) modified g-C3N4 for enhanced photocatalytic H2 production and CO2 reduction under visible light irradiation. Applied Catalysis B: Environmental, 2018, 232, 521-530.	20.2	162
2	Highly efficient and noble metal-free NiS modified MnxCd1-xS solid solutions with enhanced photocatalytic activity for hydrogen evolution under visible light irradiation. Applied Catalysis B: Environmental, 2017, 203, 282-288.	20.2	160
3	Efficient photocatalytic H2 production via rational design of synergistic spatially-separated dual cocatalysts modified Mn0.5Cd0.5S photocatalyst under visible light irradiation. Chemical Engineering Journal, 2018, 337, 480-487.	12.7	102
4	Synthesis of a WO₃ photocatalyst with high photocatalytic activity and stability using synergetic internal Fe³⁺ doping and superficial Pt loading for ethylene degradation under visible-light irradiation. Catalysis Science and Technology, 2019, 9, 652-658.	4.1	86
5	Advances in 2D/2D Zâ€Scheme Heterojunctions for Photocatalytic Applications. Solar Rrl, 2021, 5, 2000397.	5.8	82
6	Hydrothermal synthesis of C3N4/BiOIO3 heterostructures with enhanced photocatalytic properties. Journal of Colloid and Interface Science, 2015, 442, 97-102.	9.4	67
7	Advancing Graphitic Carbon Nitride-Based Photocatalysts toward Broadband Solar Energy Harvesting. , 2021, 3, 663-697.		63
8	Synthesis of MoS2/Ni3S2 heterostructure for efficient electrocatalytic hydrogen evolution reaction through optimizing the sulfur sources selection. Applied Surface Science, 2018, 459, 422-429.	6.1	60
9	Enhanced photocatalytic H 2 production of Mn 0.5 Cd 0.5 S solid solution through loading transition metal sulfides XS (X = Mo, Cu, Pd) cocatalysts. Applied Surface Science, 2018, 430, 515-522.	6.1	58
10	Space-confined growth of lead-free halide perovskite Cs3Bi2Br9 in MCM-41 molecular sieve as an efficient photocatalyst for CO2 reduction at the gasâ^'solid condition under visible light. Applied Catalysis B: Environmental, 2022, 310, 121375.	20.2	43
11	Synthesis of Synergistic Nitrogen-Doped NiMoO₄/Ni₃N Heterostructure for Implementation of an Efficient Alkaline Electrocatalytic Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 2440-2449.	5.1	39
12	In situ synthesis of Bi₂S₃/Bi₂SiO₅ heterojunction photocatalysts with enhanced visible light photocatalytic activity. RSC Advances, 2015, 5, 55957-55963.	3.6	37
13	The synergistic effect of light irradiation and interface engineering of the Co(OH)2/MoS2 heterostructure to realize the efficient alkaline hydrogen evolution reaction. Electrochimica Acta, 2019, 299, 618-625.	5.2	37
14	Improving the HER activity of Ni3FeN to convert the superior OER electrocatalyst to an efficient bifunctional electrocatalyst for overall water splitting by doping with molybdenum. Electrochimica Acta, 2020, 333, 135488.	5.2	37
15	ZnO nanorod decorated by Au-Ag alloy with greatly increased activity for photocatalytic ethylene oxidation. Chinese Journal of Catalysis, 2020, 41, 1613-1621.	14.0	28
16	ZnO nanorods modified with noble metal-free Co₃O₄ nanoparticles as a photocatalyst for efficient ethylene degradation under light irradiation. Catalysis Science and Technology, 2019, 9, 6191-6198.	4.1	22
17	The synergy of thermal exfoliation and phosphorus doping in g-C3N4 for improved photocatalytic H2 generation. International Journal of Hydrogen Energy, 2021, 46, 3595-3604.	7.1	22
18	Morphology and defects design in g-C3N4 for efficient and simultaneous visible-light photocatalytic hydrogen production and selective oxidation of benzyl alcohol. International Journal of Hydrogen Energy, 2022, 47, 18738-18747.	7.1	22

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19	Design and synthesis of BiVO4@CuOx as a photo assisted Fenton-like catalyst for efficient degradation of tetracycline. Surfaces and Interfaces, 2021, 26, 101380.	3.0	5
20	Synthesis of photocatalytic hybrid nanostructures. , 2022, , .		0