

Li Yuexiang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60 papers	4,159 citations	37 h-index	62 g-index
62 ext. papers	4,910 ext. citations	8.7 avg, IF	5.97 L-index

#	Paper	IF	Citations
60	Modification of carbon nitride with noble-metal-free cobalt phosphide for effective photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2022 , 584, 152610	6.7	2
59	Hierarchically Porous Polymeric Carbon Nitride as a Volume Photocatalyst for Efficient H ₂ Generation under Strong Irradiation. <i>Solar Rrl</i> , 2022 , 6, 2270022	7.1	1
58	Porifera-inspired cost-effective and scalable porous hydrogel sponge for durable and highly efficient solar-driven desalination. <i>Chemical Engineering Journal</i> , 2022 , 427, 130905	14.7	8
57	Pre-intercalation of phosphate into Ni(OH) ₂ /NiOOH for efficient and stable electrocatalytic oxygen evolution reaction. <i>Journal of Catalysis</i> , 2022 ,	7.3	2
56	Tuning metal-support interaction of NiCu/graphene cocatalysts for enhanced dye-sensitized photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2022 , 593, 153459	6.7	2
55	Optimal preparation of molybdenum phosphide cocatalyst for efficient dye-sensitized photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 3814-3814	6.7	0
54	Confinement Capillarity of Thin Coating for Boosting Solar-Driven Water Evaporation. <i>Advanced Functional Materials</i> , 2021 , 31, 2011114	15.6	42
53	Synthesis of Ni ₂ P/Ni ₁₂ P ₅ composite for a highly efficient hydrogen production from formaldehyde solution. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 133, 229-243	1.6	0
52	A modified TA-APTES coating: Endowing porous membranes with uniform, durable superhydrophilicity and outstanding anti-crude oil-adhesion property via one-step process. <i>Journal of Membrane Science</i> , 2021 , 618, 118703	9.6	15
51	Directional modulation of triazine and heptazine based carbon nitride for efficient photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2021 , 562, 150103	6.7	2
50	Facile synthesis of Co ₂ (OH) ₃ Cl/cobalt carbide/reduced graphene oxide composites for enhanced dye-sensitized photocatalytic H ₂ evolution. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 6181-6187	5.8	6
49	The stability of a graphene oxide (GO) nanofiltration (NF) membrane in an aqueous environment: progress and challenges. <i>Materials Advances</i> , 2020 , 1, 554-568	3.3	20
48	Versatile coating with multifunctional performance for solar steam generation. <i>Nano Energy</i> , 2020 , 74, 104886	17.1	56
47	Transformation of Fe-B@Fe into Fe-B@Ni for efficient photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 273-280	9.3	24
46	A simple, mild and versatile method for preparation of photothermal woods toward highly efficient solar steam generation. <i>Nano Energy</i> , 2020 , 71, 104650	17.1	78
45	The nonmetal modulation of composition and morphology of g-C ₃ N ₄ -based photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020 , 269, 118828	21.8	112
44	Ni-B coupled with borate-intercalated Ni(OH) ₂ for efficient and stable electrocatalytic and photocatalytic hydrogen evolution under low alkalinity. <i>Chemical Engineering Journal</i> , 2020 , 394, 124928	14.7	41

43	A new concept: Volume photocatalysis for efficient H ₂ generation __ Using low polymeric carbon nitride as an example. <i>Applied Catalysis B: Environmental</i> , 2020 , 279, 119379	21.8	49
42	Investigating and significantly improving the stability of tannic acid (TA)-aminopropyltriethoxysilane (APTES) coating for enhanced oil-water separation. <i>Journal of Membrane Science</i> , 2020 , 593, 117383	9.6	38
41	CoP decorated with Co ₃ O ₄ as a cocatalyst for enhanced photocatalytic hydrogen evolution via dye sensitization. <i>Applied Surface Science</i> , 2019 , 487, 315-321	6.7	35
40	Mussel-Inspired Surface Engineering for Water-Remediation Materials. <i>Matter</i> , 2019 , 1, 115-155	12.7	183
39	One-step synthesis of nickel oxide/nickel carbide/graphene composite for efficient dye-sensitized photocatalytic H ₂ evolution. <i>Catalysis Today</i> , 2019 , 335, 326-332	5.3	19
38	Designing preferable functional materials based on the secondary reactions of the hierarchical tannic acid (TA)-aminopropyltriethoxysilane (APTES) coating. <i>Chemical Engineering Journal</i> , 2019 , 360, 299-312	14.7	53
37	Oriented ZnIn ₂ S ₄ /In ₂ S ₃ heterojunction with hierarchical structure for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 604-611	21.8	77
36	In situ loading of Ni ₂ P on Cd _{0.5} Zn _{0.5} S with red phosphorus for enhanced visible light photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2018 , 447, 822-828	6.7	95
35	One-step transformation of highly hydrophobic membranes into superhydrophilic and underwater superoleophobic ones for high-efficiency separation of oil-in-water emulsions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3391-3396	13	158
34	Low Temperature and Controllable Formation of Oxygen Vacancy SrTiO _{3-x} by Loading Pt for Enhanced Photocatalytic Hydrogen Evolution. <i>Energy Technology</i> , 2018 , 6, 2166-2171	3.5	10
33	Fe-B alloy coupled with Fe clusters as an efficient cocatalyst for photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018 , 344, 506-513	14.7	92
32	Tannic acid encountering ovalbumin: a green and mild strategy for superhydrophilic and underwater superoleophobic modification of various hydrophobic membranes for oil/water separation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13959-13967	13	72
31	Dual functional membrane with multiple hierarchical structures (MHS) for simultaneous and high-efficiency removal of dye and nano-sized oil droplets in water under high flux. <i>Journal of Membrane Science</i> , 2018 , 564, 317-327	9.6	44
30	In Situ Photoreduction Synthesis of Fe(0)/Melamine Core/Shell Submicrocubes for Efficient Photocatalytic H ₂ Evolution. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2483-2489	6.1	2
29	Oriented growth of ZnIn ₂ S ₄ /In(OH) ₃ heterojunction by a facile hydrothermal transformation for efficient photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 726-733	21.8	109
28	Template-free synthesis of hollow Ni/reduced graphene oxide composite for efficient H ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13072-13078	13	53
27	Potassium-chemical synthesis of 3D graphene from CO ₂ and its excellent performance in HTM-free perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7749-7752	13	46
26	Facile Synthesis of Graphene Sponge from Graphene Oxide for Efficient Dye-Sensitized H ₂ Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15187-95	9.5	81

25	Synergetic effect of metal nickel and graphene as a cocatalyst for enhanced photocatalytic hydrogen evolution via dye sensitization. <i>Scientific Reports</i> , 2015 , 5, 10589	4.9	66
24	Titanate nanotube modified with different nickel precursors for enhanced Eosin Y-sensitized photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6038-6049	6.7	41
23	Photocatalytic hydrogen evolution over Erythrosin B-sensitized graphitic carbon nitride with in situ grown molybdenum sulfide cocatalyst. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 353-362	6.7	102
22	Interface Charge Transfer versus Surface Proton Reduction: Which Is More Pronounced on Photoinduced Hydrogen Generation over Sensitized Pt Cocatalyst on RGO?. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13561-13568	3.8	43
21	Tunable Photodeposition of MoS ₂ onto a Composite of Reduced Graphene Oxide and CdS for Synergic Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 19842-19848	3.8	182
20	Enhancement of photocatalytic H ₂ evolution of eosin Y-sensitized reduced graphene oxide through a simple photoreaction. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 801-11	3	34
19	Modification of TiO ₂ with sulfate and phosphate for enhanced eosin Y-sensitized hydrogen evolution under visible light illumination. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 1903-10	4.2	37
18	Photosensitization of SiW ₁₁ O ₃₉ modified TiO ₂ by Eosin Y for stable visible-light H ₂ generation. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11709-11719	6.7	36
17	Eosin Y-sensitized graphitic carbon nitride fabricated by heating urea for visible light photocatalytic hydrogen evolution: the effect of the pyrolysis temperature of urea. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7657-65	3.6	285
16	Photocatalytic hydrogen generation in the presence of ethanolamines over Pt/ZnIn ₂ S ₄ under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , 2012 , 363-364, 354-361		67
15	Composition, morphology and photocatalytic activity of Zn-In-S composite synthesized by a NaCl-assisted hydrothermal method. <i>CrystEngComm</i> , 2011 , 13, 4770	3.3	28
14	Photocatalytic H ₂ evolution from NaCl saltwater over ZnS _{1-x} O _y (OH) _y ZnO under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 10565-10573	6.7	36
13	Photocatalytic hydrogen evolution over Pt/Cd _{0.5} Zn _{0.5} S from saltwater using glucose as electron donor: An investigation of the influence of electrolyte NaCl. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 4291-4297	6.7	108
12	Effects of electrolyte NaCl on photocatalytic hydrogen evolution in the presence of electron donors over Pt/TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2011 , 341, 71-76		49
11	Photocatalytic hydrogen generation in the presence of glucose over ZnS-coated ZnIn ₂ S ₄ under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 7116-7126	6.7	148
10	Photosensitized reduction of water to hydrogen using novel Maya blue-like organic-inorganic hybrid material. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 285-93	9.3	35
9	Synthesis of CdS Nanorods by an Ethylenediamine Assisted Hydrothermal Method for Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9352-9358	3.8	264
8	Enhancement of photocatalytic activity of cadmium sulfide for hydrogen evolution by photoetching. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 2007-2013	6.7	89

7	5.1% Apparent quantum efficiency for stable hydrogen generation over eosin-sensitized CuO/TiO ₂ photocatalyst under visible light irradiation. <i>Catalysis Communications</i> , 2007 , 8, 1267-1273	3.2	34 ¹
6	High-Efficient Photocatalytic Hydrogen Evolution on Eosin Y-Sensitized TiMCM41 Zeolite under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8237-8241	3.8	9 ¹
5	Photocatalytic hydrogen generation in the presence of chloroacetic acids over Pt/TiO ₂ . <i>Chemosphere</i> , 2006 , 63, 1312-8	8.4	119
4	Photocatalytic production of hydrogen in single component and mixture systems of electron donors and monitoring adsorption of donors by in situ infrared spectroscopy. <i>Chemosphere</i> , 2003 , 52, 843-50	8.4	127
3	Photocatalytic hydrogen generation and decomposition of oxalic acid over platinized TiO ₂ . <i>Applied Catalysis A: General</i> , 2001 , 214, 179-185	5.1	197
2	Strategies for improving photoelectrochemical water splitting performance of Si-based electrodes. <i>Energy Science and Engineering</i> ,	3.4	2
1	Hierarchically Porous Polymeric Carbon Nitride as a Volume Photocatalyst for Efficient H ₂ Generation under Strong Irradiation. <i>Solar Rrl</i> ,2100823	7.1	5