

# Li Yuexiang

## List of Publications by Citations

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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	5.1% Apparent quantum efficiency for stable hydrogen generation over eosin-sensitized CuO/TiO <sub>2</sub> photocatalyst under visible light irradiation. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1267-1273	3.2	341
59	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> , <b>2013</b> , 15, 7657-65	3.6	285
58	Synthesis of CdS Nanorods by an Ethylenediamine Assisted Hydrothermal Method for Photocatalytic Hydrogen Evolution. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 9352-9358	3.8	264
57	Photocatalytic hydrogen generation and decomposition of oxalic acid over platinized TiO <sub>2</sub> . <i>Applied Catalysis A: General</i> , <b>2001</b> , 214, 179-185	5.1	197
56	Mussel-Inspired Surface Engineering for Water-Remediation Materials. <i>Matter</i> , <b>2019</b> , 1, 115-155	12.7	183
55	Tunable Photodeposition of MoS <sub>2</sub> onto a Composite of Reduced Graphene Oxide and CdS for Synergic Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 19842-19848	3.8	182
54	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> , <b>2018</b> , 6, 3391-3396	13	158
53	Photocatalytic hydrogen generation in the presence of glucose over ZnS-coated ZnIn <sub>2</sub> S <sub>4</sub> under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 7116-7126	6.7	148
52	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> , <b>2003</b> , 52, 843-50	8.4	127
51	Photocatalytic hydrogen generation in the presence of chloroacetic acids over Pt/TiO <sub>2</sub> . <i>Chemosphere</i> , <b>2006</b> , 63, 1312-8	8.4	119
50	The nonmetal modulation of composition and morphology of g-C <sub>3</sub> N <sub>4</sub> -based photocatalysts. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 269, 118828	21.8	112
49	Oriented growth of ZnIn <sub>2</sub> S <sub>4</sub> /In(OH) <sub>3</sub> heterojunction by a facile hydrothermal transformation for efficient photocatalytic H <sub>2</sub> production. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 206, 726-733	21.8	109
48	Photocatalytic hydrogen evolution over Pt/Cd <sub>0.5</sub> Zn <sub>0.5</sub> S from saltwater using glucose as electron donor: An investigation of the influence of electrolyte NaCl. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 4291-4297	6.7	108
47	Photocatalytic hydrogen evolution over Erythrosin B-sensitized graphitic carbon nitride with in situ grown molybdenum sulfide cocatalyst. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 353-362	6.7	102
46	In situ loading of Ni <sub>2</sub> P on Cd <sub>0.5</sub> Zn <sub>0.5</sub> S with red phosphorus for enhanced visible light photocatalytic H <sub>2</sub> evolution. <i>Applied Surface Science</i> , <b>2018</b> , 447, 822-828	6.7	95
45	Fe-B alloy coupled with Fe clusters as an efficient cocatalyst for photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , <b>2018</b> , 344, 506-513	14.7	92
44	High-Efficient Photocatalytic Hydrogen Evolution on Eosin Y-Sensitized Ti-MCM41 Zeolite under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 8237-8241	3.8	91

43	Enhancement of photocatalytic activity of cadmium sulfide for hydrogen evolution by photoetching. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 2007-2013	6.7	89
42	Facile Synthesis of Graphene Sponge from Graphene Oxide for Efficient Dye-Sensitized H <sub>2</sub> Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15187-95	9.5	81
41	A simple, mild and versatile method for preparation of photothermal woods toward highly efficient solar steam generation. <i>Nano Energy</i> , <b>2020</b> , 71, 104650	17.1	78
40	Oriented ZnIn <sub>2</sub> S <sub>3</sub> @In <sub>2</sub> S <sub>3</sub> heterojunction with hierarchical structure for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 244, 604-611	21.8	77
39	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> , <b>2018</b> , 6, 13959-13967	13	72
38	Photocatalytic hydrogen generation in the presence of ethanolamines over Pt/ZnIn <sub>2</sub> S <sub>4</sub> under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2012</b> , 363-364, 354-361		67
37	Synergetic effect of metal nickel and graphene as a cocatalyst for enhanced photocatalytic hydrogen evolution via dye sensitization. <i>Scientific Reports</i> , <b>2015</b> , 5, 10589	4.9	66
36	Versatile coating with multifunctional performance for solar steam generation. <i>Nano Energy</i> , <b>2020</b> , 74, 104886	17.1	56
35	Template-free synthesis of hollow Ni/reduced graphene oxide composite for efficient H <sub>2</sub> evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 13072-13078	13	53
34	Designing preferable functional materials based on the secondary reactions of the hierarchical tannic acid (TA)-aminopropyltriethoxysilane (APTES) coating. <i>Chemical Engineering Journal</i> , <b>2019</b> , 360, 299-312	14.7	53
33	Effects of electrolyte NaCl on photocatalytic hydrogen evolution in the presence of electron donors over Pt/TiO <sub>2</sub> . <i>Journal of Molecular Catalysis A</i> , <b>2011</b> , 341, 71-76		49
32	A new concept: Volume photocatalysis for efficient H <sub>2</sub> generation __ Using low polymeric carbon nitride as an example. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 279, 119379	21.8	49
31	Potassium-chemical synthesis of 3D graphene from CO <sub>2</sub> and its excellent performance in HTM-free perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7749-7752	13	46
30	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> , <b>2018</b> , 564, 317-327	9.6	44
29	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> , <b>2015</b> , 119, 13561-13568	3.8	43
28	Confinement Capillarity of Thin Coating for Boosting Solar-Driven Water Evaporation. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2011114	15.6	42
27	Titanate nanotube modified with different nickel precursors for enhanced Eosin Y-sensitized photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 6038-6049	6.7	41
26	Ni-B coupled with borate-intercalated Ni(OH) <sub>2</sub> for efficient and stable electrocatalytic and photocatalytic hydrogen evolution under low alkalinity. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124928	14.7	41

25	Investigating and significantly improving the stability of tannic acid (TA)-aminopropyltriethoxysilane (APTES) coating for enhanced oil-water separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 593, 117383	9.6	38
24	Modification of TiO <sub>2</sub> with sulfate and phosphate for enhanced eosin Y-sensitized hydrogen evolution under visible light illumination. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 1903-10	4.2	37
23	Photosensitization of SiW <sub>11</sub> O <sub>38</sub> -modified TiO <sub>2</sub> by Eosin Y for stable visible-light H <sub>2</sub> generation. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 11709-11719	6.7	36
22	Photocatalytic H <sub>2</sub> evolution from NaCl saltwater over ZnS <sub>1-x</sub> O <sub>x</sub> (OH) <sub>y</sub> ZnO under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 10565-10573	6.7	36
21	CoP decorated with Co <sub>3</sub> O <sub>4</sub> as a cocatalyst for enhanced photocatalytic hydrogen evolution via dye sensitization. <i>Applied Surface Science</i> , <b>2019</b> , 487, 315-321	6.7	35
20	Photosensitized reduction of water to hydrogen using novel Maya blue-like organic-inorganic hybrid material. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 333, 285-93	9.3	35
19	Enhancement of photocatalytic H <sub>2</sub> evolution of eosin Y-sensitized reduced graphene oxide through a simple photoreaction. <i>Beilstein Journal of Nanotechnology</i> , <b>2014</b> , 5, 801-11	3	34
18	Composition, morphology and photocatalytic activity of Zn-In-S composite synthesized by a NaCl-assisted hydrothermal method. <i>CrystEngComm</i> , <b>2011</b> , 13, 4770	3.3	28
17	Transformation of Fe-B@Fe into Fe-B@Ni for efficient photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 578, 273-280	9.3	24
16	The stability of a graphene oxide (GO) nanofiltration (NF) membrane in an aqueous environment: progress and challenges. <i>Materials Advances</i> , <b>2020</b> , 1, 554-568	3.3	20
15	One-step synthesis of nickel oxide/nickel carbide/graphene composite for efficient dye-sensitized photocatalytic H <sub>2</sub> evolution. <i>Catalysis Today</i> , <b>2019</b> , 335, 326-332	5.3	19
14	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> , <b>2021</b> , 618, 118703	9.6	15
13	Low Temperature and Controllable Formation of Oxygen Vacancy SrTiO <sub>3-x</sub> by Loading Pt for Enhanced Photocatalytic Hydrogen Evolution. <i>Energy Technology</i> , <b>2018</b> , 6, 2166-2171	3.5	10
12	Porifera-inspired cost-effective and scalable porous hydrogel sponge for durable and highly efficient solar-driven desalination. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 130905	14.7	8
11	Facile synthesis of Co <sub>2</sub> (OH) <sub>3</sub> Cl/cobalt carbide/reduced graphene oxide composites for enhanced dye-sensitized photocatalytic H <sub>2</sub> evolution. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 6181-6187	5.8	6
10	Hierarchically Porous Polymeric Carbon Nitride as a Volume Photocatalyst for Efficient H <sub>2</sub> Generation under Strong Irradiation. <i>Solar Rrl</i> , 2100823	7.1	5
9	Modification of carbon nitride with noble-metal-free cobalt phosphide for effective photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , <b>2022</b> , 584, 152610	6.7	2
8	Strategies for improving photoelectrochemical water splitting performance of Si-based electrodes. <i>Energy Science and Engineering</i> ,	3.4	2

7	In Situ Photoreduction Synthesis of Fe(0)/Melamine CoreShell Submicrocubes for Efficient Photocatalytic H <sub>2</sub> Evolution. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 2483-2489	6.1	2
6	Directional modulation of triazine and heptazine based carbon nitride for efficient photocatalytic H <sub>2</sub> evolution. <i>Applied Surface Science</i> , <b>2021</b> , 562, 150103	6.7	2
5	Pre-intercalation of phosphate into Ni(OH) <sub>2</sub> /NiOOH for efficient and stable electrocatalytic oxygen evolution reaction. <i>Journal of Catalysis</i> , <b>2022</b> ,	7.3	2
4	Tuning metal-support interaction of NiCu/graphene cocatalysts for enhanced dye-sensitized photocatalytic H <sub>2</sub> evolution. <i>Applied Surface Science</i> , <b>2022</b> , 593, 153459	6.7	2
3	Hierarchically Porous Polymeric Carbon Nitride as a Volume Photocatalyst for Efficient H <sub>2</sub> Generation under Strong Irradiation. <i>Solar Rrl</i> , <b>2022</b> , 6, 2270022	7.1	1
2	Optimal preparation of molybdenum phosphide cocatalyst for efficient dye-sensitized photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 47, 3814-3814	6.7	0
1	Synthesis of Ni <sub>2</sub> P/Ni <sub>12</sub> P <sub>5</sub> composite for a highly efficient hydrogen production from formaldehyde solution. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2021</b> , 133, 229-243	1.6	0