

Xin Li

List of Publications by Year in descending order

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162
papers

41,930
citations

5891

81
h-index

5532

163
g-index

166
all docs

166
docs citations

166
times ranked

36843
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodeposition of NiS Cocatalysts on $g-C_3N_4$ with Edge Grafting of 4-(1H-imidazol-2-yl) Benzoic Acid for Highly Elevated Photocatalytic H_2 Evolution. <i>Advanced Sustainable Systems</i> , 2023, 7, .	2.7	23
2	Enhanced photocatalytic H_2 evolution based on a $Ti_3C_2/Zn_{0.7}Cd_{0.3S}/Fe_2O_3$ Ohmic/S-scheme hybrid heterojunction with cascade 2D coupling interfaces. <i>Chemical Engineering Journal</i> , 2022, 429, 132587.	6.6	121
3	Facile fabrication of TaON/Bi ₂ MoO ₆ core-shell S-scheme heterojunction nanofibers for boosting visible-light catalytic levofloxacin degradation and Cr(VI) reduction. <i>Chemical Engineering Journal</i> , 2022, 428, 131158.	6.6	203
4	Full spectrum ultra-wideband absorber with stacked round hole disks. <i>Optik</i> , 2022, 249, 168297.	1.4	11
5	Regulating interfacial morphology and charge-carrier utilization of Ti_3C_2 modified all-sulfide CdS/ZnIn ₂ S ₄ S-scheme heterojunctions for effective photocatalytic H_2 evolution. <i>Journal of Materials Science and Technology</i> , 2022, 112, 85-95.	5.6	92
6	Integration of 2D layered CdS/WO ₃ S-scheme heterojunctions and metallic Ti_3C_2 MXene-based Ohmic junctions for effective photocatalytic H_2 generation. <i>Chinese Journal of Catalysis</i> , 2022, 43, 359-369.	6.9	246
7	Tracking charge transfer pathways in SrTiO ₃ /CoP/Mo ₂ C nanofibers for enhanced photocatalytic solar fuel production. <i>Chinese Journal of Catalysis</i> , 2022, 43, 507-518.	6.9	59
8	A review on heterogeneous photocatalysis for environmental remediation: From semiconductors to modification strategies. <i>Chinese Journal of Catalysis</i> , 2022, 43, 178-214.	6.9	382
9	Hydrodeoxygenation of non-edible bio-lipids to renewable hydrocarbons over mesoporous SiO ₂ -TiO ₂ supported NiMo bimetallic catalyst. <i>Applied Catalysis A: General</i> , 2022, 633, 118475.	2.2	11
10	In situ construction of a C_3N_5/Bi_2WO_6 nanodot S-scheme heterojunction with enhanced structural defects for the efficient photocatalytic removal of tetracycline and Cr(VI). <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2479-2497.	3.0	217
11	Bridging Effect of S-C Bond for Boosting Electron Transfer over Cubic Hollow CoS/g-C ₃ N ₄ Heterojunction toward Photocatalytic Hydrogen Production. <i>Langmuir</i> , 2022, 38, 3244-3256.	1.6	78
12	Heterogeneous Photocatalytic Activation of Persulfate for the Removal of Organic Contaminants in Water: A Critical Review. <i>ACS ES&T Engineering</i> , 2022, 2, 527-546.	3.7	101
13	Sulfur-doped g-C ₃ N ₄ /g-C ₃ N ₄ isotype step-scheme heterojunction for photocatalytic H_2 evolution. <i>Journal of Materials Science and Technology</i> , 2022, 118, 15-24.	5.6	159
14	ZnWO ₄ -ZnIn ₂ S ₄ S-scheme heterojunction for enhanced photocatalytic H_2 evolution. <i>Journal of Materials Science and Technology</i> , 2022, 122, 231-242.	5.6	93
15	Rationally designed Ta ₃ N ₅ /BiOCl S-scheme heterojunction with oxygen vacancies for elimination of tetracycline antibiotic and Cr(VI): Performance, toxicity evaluation and mechanism insight. <i>Journal of Materials Science and Technology</i> , 2022, 123, 177-190.	5.6	232
16	Boosting bio-lipids deoxygenation via tunable metal-support interaction in nickel/ceria-based catalysts. <i>Fuel</i> , 2022, 322, 124027.	3.4	6
17	Charge transfer and orbital reconstruction of non-noble transition metal single-atoms anchored on Ti ₂ CT-MXenes for highly selective CO ₂ electrochemical reduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1906-1917.	6.9	29
18	Branch-like Cd Zn ₁ -Se/Cu ₂ O@Cu step-scheme heterojunction for CO ₂ photoreduction. <i>Materials Today Physics</i> , 2022, 26, 100729.	2.9	31

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19	Assembling Ti ₃ C ₂ MXene into ZnIn ₂ S ₄ -NiSe ₂ S-scheme heterojunction with multiple charge transfer channels for accelerated photocatalytic H ₂ generation. <i>Chemical Engineering Journal</i> , 2022, 447, 137488.	6.6	62
20	Covalent organic frameworks: Fundamentals, mechanisms, modification, and applications in photocatalysis. <i>Chem Catalysis</i> , 2022, 2, 2157-2228.	2.9	39
21	Constructing low-cost Ni ₃ C/twin-crystal Zn _{0.5} Cd _{0.5} S heterojunction/homojunction nanohybrids for efficient photocatalytic H ₂ evolution. <i>Chinese Journal of Catalysis</i> , 2021, 42, 25-36.	6.9	272
22	Carbonâ€“Graphitic Carbon Nitride Hybrids for Heterogeneous Photocatalysis. <i>Small</i> , 2021, 17, e2005231.	5.2	96
23	A new heterojunction in photocatalysis: S-scheme heterojunction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 667-669.	6.9	260
24	Design of metal-organic frameworks (MOFs)-based photocatalyst for solar fuel production and photo-degradation of pollutants. <i>Chinese Journal of Catalysis</i> , 2021, 42, 872-903.	6.9	73
25	State-of-the-art recent progress in MXene-based photocatalysts: a comprehensive review. <i>Nanoscale</i> , 2021, 13, 9463-9504.	2.8	87
26	Synthesis BiVO ₄ modified by CuO supported onto bentonite for molecular oxygen photocatalytic oxidative desulfurization of fuel under visible light. <i>Fuel</i> , 2021, 290, 120066.	3.4	39
27	Tracking Sâ€“Scheme Charge Transfer Pathways in Mo ₂ C/CdS H ₂ â€“Evolution Photocatalysts. <i>Solar Rrl</i> , 2021, 5, 2100177.	3.1	117
28	Rational design of Z-scheme Bi ₂ O ₃ /TiO ₂ /plasmonic Ag/anoxic TiO ₂ composites for efficient visible light photocatalysis. <i>Powder Technology</i> , 2021, 384, 342-352.	2.1	20
29	Hydrogenated Oxide as Novel Quasi-metallic Cocatalyst for Efficient Visible-Light Driven Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12672-12681.	1.5	5
30	Engineering 2D multi-hetero-interface in the well-designed nanosheet composite photocatalyst with broad electron-transfer channels for highly-efficient solar-to-fuels conversion. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119944.	10.8	22
31	Fabricating intramolecular donor-acceptor system via covalent bonding of carbazole to carbon nitride for excellent photocatalytic performance towards CO ₂ conversion. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 550-560.	5.0	18
32	In-situ construction of metallic Ni ₃ C@Ni coreâ€“shell cocatalysts over g-C ₃ N ₄ nanosheets for shell-thickness-dependent photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120104.	10.8	258
33	Smartphone-based photoelectrochemical biosensing system with graphitic carbon nitride/gold nanoparticles modified electrodes for matrix metalloproteinase-2 detection. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113572.	5.3	26
34	G-C ₃ N ₄ quantum dots and Au nano particles co-modified CeO ₂ /Fe ₃ O ₄ micro-flowers photocatalyst for enhanced CO ₂ photoreduction. <i>Renewable Energy</i> , 2021, 179, 756-765.	4.3	28
35	Electrochemical and optical biosensors based on multifunctional MXene nanoplatfoms: Progress and prospects. <i>Talanta</i> , 2021, 235, 122726.	2.9	46
36	Urea-induced supramolecular self-assembly strategy to synthesize wrinkled porous carbon nitride nanosheets for highly-efficient visible-light photocatalytic degradation. <i>RSC Advances</i> , 2021, 11, 23459-23470.	1.7	19

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37	Constructed Z-Scheme g-C ₃ N ₄ /Ag ₃ VO ₄ /rGO Photocatalysts with Multi-interfacial Electron-Transfer Paths for High Photoreduction of CO ₂ . <i>Inorganic Chemistry</i> , 2021, 60, 1755-1766.	1.9	37
38	In Situ Fabrication of Robust Cocatalyst-Free CdS/g-C ₃ N ₄ 2D-2D Step-Scheme Heterojunctions for Highly Active H ₂ Evolution. <i>Solar Rrl</i> , 2020, 4, 1900423.	3.1	176
39	Fabrication of hierarchical copper sulfide/bismuth tungstate p-n heterojunction with two-dimensional (2D) interfacial coupling for enhanced visible-light photocatalytic degradation of glyphosate. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 293-302.	5.0	59
40	Integrating 2D/2D CdS/Fe ₂ O ₃ ultrathin bilayer Z-scheme heterojunction with metallic NiS nanosheet-based ohmic-junction for efficient photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118619.	10.8	199
41	Highly efficient visible-light photocatalytic H ₂ evolution over 2D-2D CdS/Cu ₂ S layered heterojunctions. <i>Chinese Journal of Catalysis</i> , 2020, 41, 31-40.	6.9	177
42	Nanostructured CdS for efficient photocatalytic H ₂ evolution: A review. <i>Science China Materials</i> , 2020, 63, 2153-2188.	3.5	281
43	Ultrahigh nitrogen-doped carbon/superfine-Sn particles for lithium ion battery anode. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22224-22238.	1.1	11
44	Synthesized Z-scheme photocatalyst ZnO/g-C ₃ N ₄ for enhanced photocatalytic reduction of CO ₂ . <i>New Journal of Chemistry</i> , 2020, 44, 16390-16399.	1.4	26
45	Construction of a multi-interfacial-electron transfer scheme for efficient CO ₂ photoreduction: a case study using CdIn ₂ S ₄ micro-flower spheres modified with Au nanoparticles and reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18707-18714.	5.2	86
46	Design and application of active sites in g-C ₃ N ₄ -based photocatalysts. <i>Journal of Materials Science and Technology</i> , 2020, 56, 69-88.	5.6	211
47	A review on 2D MoS ₂ cocatalysts in photocatalytic H ₂ production. <i>Journal of Materials Science and Technology</i> , 2020, 56, 89-121.	5.6	364
48	Enhancement of photocatalytic NO removal activity of g-C ₃ N ₄ by modification with illite particles. <i>Environmental Science: Nano</i> , 2020, 7, 1990-1998.	2.2	23
49	Strongly coupled 2D-2D nanojunctions between P-doped Ni ₂ S (Ni ₂ SP) cocatalysts and CdS nanosheets for efficient photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2020, 390, 124496.	6.6	174
50	Porous graphitic carbon nitride for solar photocatalytic applications. <i>Nanoscale Horizons</i> , 2020, 5, 765-786.	4.1	152
51	Principle and surface science of photocatalysis. <i>Interface Science and Technology</i> , 2020, 31, 1-38.	1.6	24
52	Hierarchical porous photocatalysts. <i>Interface Science and Technology</i> , 2020, , 63-102.	1.6	4
53	Surface and interface modification strategies of CdS-based photocatalysts. <i>Interface Science and Technology</i> , 2020, , 313-348.	1.6	17
54	Constructing 1D/2D Schottky-Based Heterojunctions between Mn _{0.2} Cd _{0.8} S Nanorods and Ti ₃ C ₂ Nanosheets for Boosted Photocatalytic H ₂ Evolution. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2020, .	2.2	44

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55	Fabricated rGO-modified Ag ₂ S nanoparticles/g-C ₃ N ₄ nanosheets photocatalyst for enhancing photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 468-478.	5.0	74
56	One-pot synthesis of ZnS nanowires/Cu ₇ S ₄ nanoparticles/reduced graphene oxide nanocomposites for supercapacitor and photocatalysis applications. <i>Dalton Transactions</i> , 2019, 48, 2442-2454.	1.6	46
57	Improved charge transfer by size-dependent plasmonic Au on C ₃ N ₄ for efficient photocatalytic oxidation of RhB and CO ₂ reduction. <i>Chinese Journal of Catalysis</i> , 2019, 40, 928-939.	6.9	104
58	Graphitied carbon-coated bimetallic FeCu nanoparticles as original g-C ₃ N ₄ cocatalysts for improving photocatalytic activity. <i>Applied Surface Science</i> , 2019, 492, 571-578.	3.1	34
59	Physically Close yet Chemically Separate Reduction and Oxidation Sites in Double-Walled Nanotubes for Photocatalytic Hydrogen Generation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3739-3743.	2.1	9
60	Two-Dimensional Transition Metal MXene-Based Photocatalysts for Solar Fuel Generation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3488-3494.	2.1	193
61	Molecularly imprinted Ag/Ag ₃ VO ₄ /g-C ₃ N ₄ Z-scheme photocatalysts for enhanced preferential removal of tetracycline. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 271-286.	5.0	98
62	Single-crystalline melem (C ₆ N ₁₀ H ₆) nanorods: a novel stable molecular crystal photocatalyst with modulated charge potentials and dynamics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13234-13241.	5.2	22
63	BiVO ₄ /TiO ₂ heterojunction with enhanced photocatalytic activities and photoelectrochemistry performances under visible light illumination. <i>Materials Research Bulletin</i> , 2019, 117, 35-40.	2.7	64
64	Photocatalytic Hydrogen Production over CdS Nanomaterials: An Interdisciplinary Experiment for Introducing Undergraduate Students to Photocatalysis and Analytical Chemistry. <i>Journal of Chemical Education</i> , 2019, 96, 1224-1229.	1.1	30
65	Facile preparation of bioactive nanoparticle/poly(μ -caprolactone) hierarchical porous scaffolds via 3D printing of high internal phase Pickering emulsions. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 104-115.	5.0	76
66	Ni-based photocatalytic H ₂ -production cocatalysts ² . <i>Chinese Journal of Catalysis</i> , 2019, 40, 240-288.	6.9	239
67	Highly active and selective hydrodeoxygenation of oleic acid to second generation bio-diesel over SiO ₂ -supported CoxNi _{1-x} P catalysts. <i>Fuel</i> , 2019, 247, 26-35.	3.4	29
68	Engineering MP _x (M = Fe, Co or Ni) interface electron transfer channels for boosting photocatalytic H ₂ evolution over g-C ₃ N ₄ /MoS ₂ layered heterojunctions. <i>Applied Catalysis B: Environmental</i> , 2019, 252, 250-259.	10.8	188
69	Cocatalysts for Selective Photoreduction of CO ₂ into Solar Fuels. <i>Chemical Reviews</i> , 2019, 119, 3962-4179.	23.0	1,591
70	Carbon Nanotube-Supported Cu ₃ P as High-Efficiency and Low-Cost Cocatalysts for Exceptional Semiconductor-Free Photocatalytic H ₂ Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3243-3250.	3.2	96
71	Surface and interface engineering of hierarchical photocatalysts. <i>Applied Surface Science</i> , 2019, 471, 43-87.	3.1	170
72	Co _{1.4} Ni _{0.6} P cocatalysts modified metallic carbon black/g-C ₃ N ₄ nanosheet Schottky heterojunctions for active and durable photocatalytic H ₂ production. <i>Applied Surface Science</i> , 2019, 466, 393-400.	3.1	117

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73	Carbon-coated Cu-TiO ₂ nanocomposite with enhanced photostability and photocatalytic activity. <i>Applied Surface Science</i> , 2019, 466, 254-261.	3.1	54
74	Enhancing enzymatic hydrolysis of sugarcane bagasse by ferric chloride catalyzed organosolv pretreatment and Tween 80. <i>Bioresource Technology</i> , 2018, 258, 295-301.	4.8	61
75	Fabrication of sustained-release and antibacterial citronella oil-loaded composite microcapsules based on Pickering emulsion templates. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46386.	1.3	16
76	Bridging the g-C ₃ N ₄ Nanosheets and Robust CuS Cocatalysts by Metallic Acetylene Black Interface Mediators for Active and Durable Photocatalytic H ₂ Production. <i>ACS Applied Energy Materials</i> , 2018, 1, 2232-2241.	2.5	88
77	Noble-metal-free Ni ₃ C cocatalysts decorated CdS nanosheets for high-efficiency visible-light-driven photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 218-228.	10.8	248
78	Bifunctional Cu ₃ P Decorated g-C ₃ N ₄ Nanosheets as a Highly Active and Robust Visible-Light Photocatalyst for H ₂ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4026-4036.	3.2	243
79	Remarkable positive effect of Cd(OH) ₂ on CdS semiconductor for visible-light photocatalytic H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 8-14.	10.8	72
80	Intensive photocatalytic activity enhancement of Bi ₅ O ₇ I via coupling with band structure and content adjustable BiOBr x I _{1-x} . <i>Science Bulletin</i> , 2018, 63, 219-227.	4.3	36
81	Graphene-based heterojunction photocatalysts. <i>Applied Surface Science</i> , 2018, 430, 53-107.	3.1	386
82	In situ one-pot fabrication of g-C ₃ N ₄ nanosheets/NiS cocatalyst heterojunction with intimate interfaces for efficient visible light photocatalytic H ₂ generation. <i>Applied Surface Science</i> , 2018, 430, 208-217.	3.1	204
83	Enhanced Solar Fuel H ₂ Generation over g-C ₃ N ₄ Nanosheet Photocatalysts by the Synergetic Effect of Noble Metal-Free Co ₂ P Cocatalyst and the Environmental Phosphorylation Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 816-826.	3.2	201
84	Heterogeneous sulfur-free hydrodeoxygenation catalysts for selectively upgrading the renewable bio-oils to second generation biofuels. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3762-3797.	8.2	164
85	Review on design and evaluation of environmental photocatalysts. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	170
86	Encapsulation of Ni ₃ Fe Nanoparticles in N-Doped Carbon Nanotube-Grafted Carbon Nanofibers as High-Efficiency Hydrogen Evolution Electrocatalysts. <i>Advanced Functional Materials</i> , 2018, 28, 1805828.	7.8	168
87	Low-Cost Ni ₃ B/Ni(OH) ₂ as an Ecofriendly Hybrid Cocatalyst for Remarkably Boosting Photocatalytic H ₂ Production over g-C ₃ N ₄ Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13140-13150.	3.2	131
88	Multi-functional Ni ₃ C cocatalyst/g-C ₃ N ₄ nanoheterojunctions for robust photocatalytic H ₂ evolution under visible light. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13110-13122.	5.2	241
89	Facile preparation of biocompatible poly(l-lactic acid)-modified halloysite nanotubes/poly(μ -caprolactone) porous scaffolds by solvent evaporation of Pickering emulsion templates. <i>Journal of Materials Science</i> , 2018, 53, 14774-14788.	1.7	18
90	Redox shuttle enhances nonthermal femtosecond two-photon self-doping of rGO-TiO ₂ photocatalysts under visible light. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16430-16438.	5.2	27

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91	Graphitic carbon nitride nanosheets for microwave absorption. <i>Materials Today Physics</i> , 2018, 5, 78-86.	2.9	127
92	Effects of ferric chloride pretreatment and surfactants on the sugar production from sugarcane bagasse. <i>Bioresource Technology</i> , 2018, 265, 93-101.	4.8	36
93	A review on g-C ₃ N ₄ -based photocatalysts. <i>Applied Surface Science</i> , 2017, 391, 72-123.	3.1	2,318
94	Fabricating the Robust g-C ₃ N ₄ Nanosheets/Carbons/NiS Multiple Heterojunctions for Enhanced Photocatalytic H ₂ Generation: An Insight into the Trifunctional Roles of Nanocarbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2224-2236.	3.2	214
95	Highly enhanced photocatalytic degradation of methylene blue over the indirect all-solid-state Z-scheme g-C ₃ N ₄ -RGO-TiO ₂ nanoheterojunctions. <i>Applied Surface Science</i> , 2017, 405, 60-70.	3.1	328
96	Enhanced enzymatic hydrolysis of sugarcane bagasse with ferric chloride pretreatment and surfactant. <i>Bioresource Technology</i> , 2017, 229, 96-103.	4.8	63
97	Synthesis, properties, and applications of black titanium dioxide nanomaterials. <i>Science Bulletin</i> , 2017, 62, 431-441.	4.3	134
98	Earth-abundant WC nanoparticles as an active noble-metal-free co-catalyst for the highly boosted photocatalytic H ₂ production over g-C ₃ N ₄ nanosheets under visible light. <i>Catalysis Science and Technology</i> , 2017, 7, 1193-1202.	2.1	114
99	Synthesis of porous ZnS, ZnO and ZnS/ZnO nanosheets and their photocatalytic properties. <i>RSC Advances</i> , 2017, 7, 30956-30962.	1.7	85
100	Constructing Multifunctional Metallic Ni Interface Layers in the g-C ₃ N ₄ Nanosheets/Amorphous NiS Heterojunctions for Efficient Photocatalytic H ₂ Generation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14031-14042.	4.0	319
101	Enhanced visible light photocatalytic H ₂ production over Z-scheme g-C ₃ N ₄ nanosheets/WO ₃ nanorods nanocomposites loaded with Ni(OH) ₂ cocatalysts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 240-252.	6.9	237
102	Electrodeposition of Cu ₂ O/g-C ₃ N ₄ heterojunction film on an FTO substrate for enhancing visible light photoelectrochemical water splitting. <i>Chinese Journal of Catalysis</i> , 2017, 38, 365-371.	6.9	51
103	Facile Construction of Dual p-n Junctions in CdS/Cu ₂ O/ZnO Photoanode with Enhanced Charge Carrier Separation and Transfer Ability. <i>ACS Omega</i> , 2017, 2, 852-863.	1.6	62
104	Markedly enhanced visible-light photocatalytic H ₂ generation over g-C ₃ N ₄ nanosheets decorated by robust nickel phosphide (Ni ₁₂ P ₅) cocatalysts. <i>Dalton Transactions</i> , 2017, 46, 1794-1802.	1.6	111
105	Constructing 2D layered hybrid CdS nanosheets/MoS ₂ heterojunctions for enhanced visible-light photocatalytic H ₂ generation. <i>Applied Surface Science</i> , 2017, 391, 580-591.	3.1	284
106	Heterostructured CoO/3D-TiO ₂ nanorod arrays for photoelectrochemical water splitting hydrogen production. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 455-461.	1.2	25
107	Design and preparation of CdS/H-3D-TiO ₂ /Pt-wire photocatalysis system with enhanced visible-light driven H ₂ evolution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 928-937.	3.8	35
108	Improved visible-light photocatalytic H ₂ generation over CdS nanosheets decorated by NiS ₂ and metallic carbon black as dual earth-abundant cocatalysts. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1970-1980.	6.9	124

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109	Photocatalytic Reduction of CO ₂ Using TiO ₂ -Graphene Nanocomposites. Journal of Nanomaterials, 2016, 2016, 1-5.	1.5	17
110	Efficient visible-light photocatalytic H ₂ evolution over metal-free g-C ₃ N ₄ co-modified with robust acetylene black and Ni(OH) ₂ as dual co-catalysts. RSC Advances, 2016, 6, 31497-31506.	1.7	94
111	Magnetic fluids™ stability improved by oleic acid bilayer-coated structure via one-pot synthesis. Chemical Papers, 2016, 70, .	1.0	14
112	Graphene in Photocatalysis: A Review. Small, 2016, 12, 6640-6696.	5.2	836
113	One-pot hydrothermal synthesis of SrTiO ₃ -reduced graphene oxide composites with enhanced photocatalytic activity for hydrogen production. Journal of Molecular Catalysis A, 2016, 423, 70-76.	4.8	65
114	Sandwich-like mesoporous graphene@magnetite@carbon nanosheets for high-rate lithium ion batteries. Solid State Sciences, 2016, 57, 16-23.	1.5	6
115	Preparation of W and N, S-codoped titanium dioxide with enhanced photocatalytic activity under visible light irradiation. Materials Research Bulletin, 2016, 76, 72-78.	2.7	18
116	Visible-light induced photocatalytic oxidative desulfurization using BiVO ₄ /C ₃ N ₄ @SiO ₂ with air/cumene hydroperoxide under ambient conditions. Applied Catalysis B: Environmental, 2016, 192, 72-79.	10.8	87
117	Hierarchical photocatalysts. Chemical Society Reviews, 2016, 45, 2603-2636.	18.7	1,517
118	Water Splitting By Photocatalytic Reduction. Green Chemistry and Sustainable Technology, 2016, , 175-210.	0.4	2
119	Photocatalysis fundamentals and surface modification of TiO ₂ nanomaterials. Chinese Journal of Catalysis, 2015, 36, 2049-2070.	6.9	458
120	Amorphous Co ₃ O ₄ modified CdS nanorods with enhanced visible-light photocatalytic H ₂ -production activity. Dalton Transactions, 2015, 44, 1680-1689.	1.6	204
121	C ₆₀ -Decorated CdS/TiO ₂ Mesoporous Architectures with Enhanced Photostability and Photocatalytic Activity for H ₂ Evolution. ACS Applied Materials & Interfaces, 2015, 7, 4533-4540.	4.0	148
122	Metal-free carbon nanotube@SiC nanowire heterostructures with enhanced photocatalytic H ₂ evolution under visible light irradiation. Catalysis Science and Technology, 2015, 5, 2798-2806.	2.1	74
123	Enhanced photocatalytic H ₂ evolution over noble-metal-free NiS cocatalyst modified CdS nanorods/g-C ₃ N ₄ heterojunctions. Journal of Materials Chemistry A, 2015, 3, 18244-18255.	5.2	306
124	Hydrothermal synthesis of FeWO ₄ -graphene composites and their photocatalytic activities under visible light. Applied Surface Science, 2015, 351, 474-479.	3.1	68
125	A Graphene-like Oxygenated Carbon Nitride Material for Improved Cycle-Life Lithium/Sulfur Batteries. Nano Letters, 2015, 15, 5137-5142.	4.5	358
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