

# List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fabrication of Ag <sub>3</sub> PO <sub>4</sub> -Graphene Composites with Highly Efficient and Stable Visible Light Photocatalytic Performance. <i>ACS Catalysis</i> , 2013, 3, 363-369.	5.5	562
2	In situ fabrication of 1D CdS nanorod/2D Ti <sub>3</sub> C <sub>2</sub> MXene nanosheet Schottky heterojunction toward enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118382.	10.8	429
3	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 84-94.	10.8	300
4	Interfacial optimization of g-C <sub>3</sub> N <sub>4</sub> -based Z-scheme heterojunction toward synergistic enhancement of solar-driven photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 240-249.	10.8	295
5	Fabrication of P25/Ag <sub>3</sub> PO <sub>4</sub> /graphene oxide heterostructures for enhanced solar photocatalytic degradation of organic pollutants and bacteria. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 231-240.	10.8	269
6	Tuning the Morphology of g-C <sub>3</sub> N <sub>4</sub> for Improvement of Z-Scheme Photocatalytic Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15285-15293.	4.0	256
7	Construction of LSPR-enhanced 0D/2D CdS/MoO <sub>3</sub> S-scheme heterojunctions for visible-light-driven photocatalytic H <sub>2</sub> evolution. <i>Chinese Journal of Catalysis</i> , 2021, 42, 87-96.	6.9	254
8	3D reduced graphene oxide aerogel-mediated Z-scheme photocatalytic system for highly efficient solar-driven water oxidation and removal of antibiotics. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 562-573.	10.8	231
9	Oxamide-modified g-C <sub>3</sub> N <sub>4</sub> nanostructures: Tailoring surface topography for high-performance visible light photocatalysis. <i>Chemical Engineering Journal</i> , 2019, 374, 1064-1075.	6.6	218
10	Dual Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> /Ag <sub>2</sub> MoO <sub>4</sub> ternary composite photocatalyst for solar oxygen evolution from water splitting. <i>Applied Surface Science</i> , 2018, 456, 369-378.	3.1	196
11	Porous Ni <sub>5</sub> P <sub>4</sub> as a promising cocatalyst for boosting the photocatalytic hydrogen evolution reaction performance. <i>Applied Catalysis B: Environmental</i> , 2020, 275, 119144.	10.8	194
12	Silver Phosphate/Graphitic Carbon Nitride as an Efficient Photocatalytic Tandem System for Oxygen Evolution. <i>ChemSusChem</i> , 2015, 8, 1350-1358.	3.6	178
13	A latest overview on photocatalytic application of g-C <sub>3</sub> N <sub>4</sub> based nanostructured materials for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 337-379.	3.8	175
14	Bifunctional TiO <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> /graphene composites with superior visible light photocatalytic performance and synergistic inactivation of bacteria. <i>RSC Advances</i> , 2014, 4, 18627-18636.	1.7	167
15	Construction of carbon nitride and MoS <sub>2</sub> quantum dot 2D/0D hybrid photocatalyst: Direct Z-scheme mechanism for improved photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2017, 38, 2160-2170.	6.9	165
16	Internal electric field induced S-scheme heterojunction MoS <sub>2</sub> /CoAl LDH for enhanced photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 470-479.	5.0	154
17	Built-in electric field induced CeO <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> -MXene Schottky-junction for coupled photocatalytic tetracycline degradation and CO <sub>2</sub> reduction. <i>Ceramics International</i> , 2019, 45, 24146-24153.	2.3	152
18	Fabrication of dual direct Z-scheme g-C <sub>3</sub> N <sub>4</sub> /MoS <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> photocatalyst and its oxygen evolution performance. <i>Applied Surface Science</i> , 2019, 463, 9-17.	3.1	145

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19	Probing supramolecular assembly and charge carrier dynamics toward enhanced photocatalytic hydrogen evolution in 2D graphitic carbon nitride nanosheets. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117867.	10.8	137
20	Fabrication of flower-like direct Z-scheme $\text{Bi}_2\text{O}_3/\text{g-C}_3\text{N}_4$ photocatalyst with enhanced visible light photoactivity for Rhodamine B degradation. <i>Applied Surface Science</i> , 2018, 436, 162-171.	3.1	134
21	Interfacial active-site-rich 0D $\text{Co}_3\text{O}_4$ /1D $\text{TiO}_2$ p-n heterojunction for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 428, 131338.	6.6	133
22	$\text{MoS}_2$ quantum dots decorated $\text{g-C}_3\text{N}_4/\text{Ag}$ heterostructures for enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2018, 430, 234-242.	3.1	131
23	Construction 0D $\text{TiO}_2$ nanoparticles/2D $\text{CoP}$ nanosheets heterojunctions for enhanced photocatalytic $\text{H}_2$ evolution activity. <i>Journal of Materials Science and Technology</i> , 2020, 56, 196-205.	5.6	126
24	$\text{AgBr}$ and $\text{g-C}_3\text{N}_4$ co-modified $\text{Ag}_2\text{CO}_3$ photocatalyst: A novel multi-heterostructured photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2017, 391, 440-448.	3.1	120
25	Porous $\text{MoP}$ network structure as co-catalyst for $\text{H}_2$ evolution over $\text{g-C}_3\text{N}_4$ nanosheets. <i>Applied Surface Science</i> , 2018, 462, 822-830.	3.1	120
26	Synergistic effect of $\text{Co(II)}$ -hole and $\text{Pt}$ -electron cocatalysts for enhanced photocatalytic hydrogen evolution performance of P-doped $\text{g-C}_3\text{N}_4$ . <i>Chinese Journal of Catalysis</i> , 2020, 41, 72-81.	6.9	114
27	Construction of $\text{Ti}_3\text{C}_2$ MXene/O-doped $\text{g-C}_3\text{N}_4$ 2D-2D Schottky-junction for enhanced photocatalytic hydrogen evolution. <i>Ceramics International</i> , 2019, 45, 24656-24663.	2.3	113
28	Development of magnetic imprinted $\text{PEDOT/CdS}$ heterojunction photocatalytic nanoreactors: 3-Dimensional specific recognition for selectively photocatalyzing danofloxacin mesylate. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118433.	10.8	113
29	Graphene-spindle shaped $\text{TiO}_2$ mesocrystal composites: Facile synthesis and enhanced visible light photocatalytic performance. <i>Journal of Hazardous Materials</i> , 2013, 261, 342-350.	6.5	111
30	Anchoring metal-organic framework nanoparticles on graphitic carbon nitrides for solar-driven photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2018, 455, 403-409.	3.1	108
31	Recent advances in MXenes supported semiconductors based photocatalysts: Properties, synthesis and photocatalytic applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 85, 1-33.	2.9	107
32	Construction of $\text{Ag}_3\text{PO}_4/\text{Ag}_2\text{MoO}_4$ Z-scheme heterogeneous photocatalyst for the remediation of organic pollutants. <i>Chinese Journal of Catalysis</i> , 2017, 38, 337-347.	6.9	105
33	Accelerating photocatalytic hydrogen evolution and pollutant degradation by coupling organic co-catalysts with $\text{TiO}_2$ . <i>Chinese Journal of Catalysis</i> , 2019, 40, 380-389.	6.9	105
34	Build-in electric field induced step-scheme $\text{TiO}_2/\text{W}_18\text{O}_49$ heterojunction for enhanced photocatalytic activity under visible-light irradiation. <i>Ceramics International</i> , 2020, 46, 23-30.	2.3	99
35	Hot-electron-assisted S-scheme heterojunction of tungsten oxide/graphitic carbon nitride for broad-spectrum photocatalytic $\text{H}_2$ generation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1478-1487.	6.9	99
36	One-step electrospinning synthesis of $\text{TiO}_2/\text{g-C}_3\text{N}_4$ nanofibers with enhanced photocatalytic properties. <i>Applied Surface Science</i> , 2018, 430, 253-262.	3.1	97

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37	Fabrication of modified g-C <sub>3</sub> N <sub>4</sub> nanorod/Ag <sub>3</sub> PO <sub>4</sub> nanocomposites for solar-driven photocatalytic oxygen evolution from water splitting. <i>Applied Surface Science</i> , 2018, 430, 301-308.	3.1	92
38	Remarkable Enhancement in Solar Oxygen Evolution from MoSe <sub>2</sub> /Ag <sub>3</sub> PO <sub>4</sub> Heterojunction Photocatalyst via In Situ Constructing Interfacial Contact. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8466-8474.	3.2	92
39	An overview of graphene oxide supported semiconductors based photocatalysts: Properties, synthesis and photocatalytic applications. <i>Journal of Molecular Liquids</i> , 2020, 297, 111826.	2.3	91
40	Solar photocatalytic water oxidation over Ag <sub>3</sub> PO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> composite materials mediated by metallic Ag and graphene. <i>Applied Surface Science</i> , 2018, 430, 108-115.	3.1	89
41	An overview of semiconductors/layered double hydroxides composites: Properties, synthesis, photocatalytic and photoelectrochemical applications. <i>Journal of Molecular Liquids</i> , 2019, 289, 111114.	2.3	86
42	Facile synthesis of graphene oxide-enwrapped Ag <sub>3</sub> PO <sub>4</sub> composites with highly efficient visible light photocatalytic performance. <i>Materials Letters</i> , 2013, 93, 28-31.	1.3	85
43	Enhancement in photocatalytic activity of CO <sub>2</sub> reduction to CH <sub>4</sub> by 0D/2D Au/TiO <sub>2</sub> plasmon heterojunction. <i>Applied Surface Science</i> , 2019, 493, 1142-1149.	3.1	83
44	Evidencing Interfacial Charge Transfer in 2D CdS/2D MXene Schottky Heterojunctions toward High-efficiency Photocatalytic Hydrogen Production. <i>Solar Rrl</i> , 2021, 5, 2000414.	3.1	83
45	Novel spindle-shaped nanoporous TiO <sub>2</sub> coupled graphitic g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced visible-light photocatalytic activity. <i>Ceramics International</i> , 2016, 42, 18443-18452.	2.3	82
46	Hydrothermal synthesis and visible-light photocatalytic activity of Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> composite hollow microspheres. <i>Ceramics International</i> , 2013, 39, 8633-8640.	2.3	81
47	Graphitic carbon nitride based ternary nanocomposites: From synthesis to their applications in photocatalysis: A recent review. <i>Journal of Molecular Liquids</i> , 2019, 281, 634-654.	2.3	74
48	Revealing and accelerating interfacial charge carrier dynamics in Z-scheme heterojunctions for highly efficient photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118445.	10.8	69
49	Oxygen doped g-C <sub>3</sub> N <sub>4</sub> with nitrogen vacancy for enhanced photocatalytic hydrogen evolution. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3456-3461.	1.7	69
50	Hierarchical structured ZnFe <sub>2</sub> O <sub>4</sub> @SiO <sub>2</sub> @TiO <sub>2</sub> composite for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 761, 15-23.	2.8	60
51	Construction of S-scheme MnO <sub>2</sub> @CdS heterojunction with core-shell structure as H <sub>2</sub> -production photocatalyst. <i>Rare Metals</i> , 2021, 40, 2381-2391.	3.6	60
52	High-efficiency all-solid-state Z-scheme Ag <sub>3</sub> PO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> /MoSe <sub>2</sub> photocatalyst with boosted visible-light photocatalytic performance for antibiotic elimination. <i>Applied Surface Science</i> , 2020, 530, 147234.	3.1	59
53	Synthesis and characterization of graphene oxide modified AgBr nanocomposites with enhanced photocatalytic activity and stability under visible light. <i>Applied Surface Science</i> , 2014, 319, 306-311.	3.1	57
54	Unraveling the Roles of Hot Electrons and Cocatalyst toward Broad Spectrum Photocatalytic H <sub>2</sub> Generation of g-C <sub>3</sub> N <sub>4</sub> Nanotube. <i>Solar Rrl</i> , 2021, 5, 2000504.	3.1	54

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55	Highly metallic Co-doped MoS <sub>2</sub> nanosheets as an efficient cocatalyst to boost photoredox dual reaction for H <sub>2</sub> production and benzyl alcohol oxidation. Carbon, 2022, 188, 70-80.	5.4	54
56	Improved H <sub>2</sub> -generation performance of Pt/CdS photocatalyst by a dual-function TiO <sub>2</sub> mediator for effective electron transfer and hole blocking. Ceramics International, 2019, 45, 9807-9813.	2.3	53
57	Highly efficient photocatalytic hydrogen evolution from 0D/2D heterojunction of FeP nanoparticles/CdS nanosheets. Applied Surface Science, 2020, 505, 144042.	3.1	52
58	Fabrication of 3D CeVO <sub>4</sub> /graphene aerogels with efficient visible-light photocatalytic activity. Ceramics International, 2016, 42, 10487-10492.	2.3	50
59	Morphology-controlled synthesis of Ag <sub>3</sub> PO <sub>4</sub> microcubes with enhanced visible-light-driven photocatalytic activity. Ceramics International, 2013, 39, 9715-9720.	2.3	48
60	Efficient photocatalytic hydrogen evolution coupled with benzaldehyde production over 0D Cd <sub>0.5</sub> Zn <sub>0.5</sub> S/2D Ti <sub>3</sub> C <sub>2</sub> Schottky heterojunction. Journal of Advanced Ceramics, 2022, 11, 1117-1130.	8.9	48
61	Constructing novel visible-light-driven ternary photocatalyst of AgBr nanoparticles decorated 2D/2D heterojunction of g-C <sub>3</sub> N <sub>4</sub> /BiOBr nanosheets with remarkably enhanced photocatalytic activity for water-treatment. Ceramics International, 2019, 45, 19197-19205.	2.3	46
62	Rational construction of Ag <sub>3</sub> PO <sub>4</sub> /WO <sub>3</sub> step-scheme heterojunction for enhanced solar-driven photocatalytic performance of O <sub>2</sub> evolution and pollutant degradation. Journal of Colloid and Interface Science, 2022, 608, 2549-2559.	5.0	45
63	Oxygen Vacancies Induced Plasmonic Effect for Realizing Broad-Spectrum-Driven Photocatalytic H <sub>2</sub> Evolution over an S-Scheme CdS/W <sub>18</sub> O <sub>49</sub> Heterojunction. ChemNanoMat, 2021, 7, 44-49.	1.5	44
64	Biomass carbon modified flower-like Bi <sub>2</sub> WO <sub>6</sub> hierarchical architecture with improved photocatalytic performance. Ceramics International, 2020, 46, 3623-3630.	2.3	43
65	Ag/ZnO/graphene oxide heterostructure for the removal of rhodamine B by the synergistic adsorption-degradation effects. Ceramics International, 2015, 41, 4231-4237.	2.3	42
66	Lattice-Matched CoP/CoS <sub>2</sub> Heterostructure Cocatalyst to Boost Photocatalytic H <sub>2</sub> Generation. Inorganic Chemistry, 2021, 60, 12506-12516.	1.9	40
67	A review on photocatalytic systems capable of synchronously utilizing photogenerated electrons and holes. Rare Metals, 2022, 41, 2387-2404.	3.6	40
68	Template-assisted hydrothermal synthesis and photocatalytic activity of novel TiO <sub>2</sub> hollow nanostructures. Ceramics International, 2013, 39, 4969-4974.	2.3	36
69	Synthesis and improved photocatalytic activity of ultrathin TiO <sub>2</sub> nanosheets with nearly 100% exposed (001) facets. Ceramics International, 2014, 40, 16817-16823.	2.3	33
70	Low temperature synthesis and photocatalytic properties of mesoporous TiO <sub>2</sub> nanospheres. Journal of Alloys and Compounds, 2014, 591, 52-57.	2.8	32
71	Enhanced photocatalytic H <sub>2</sub> evolution of ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets via surface shuttle redox. Journal of Alloys and Compounds, 2019, 810, 151918.	2.8	31
72	Surface characterization and growth mechanism of laminated Ti <sub>3</sub> SiC <sub>2</sub> crystals fabricated by hot isostatic pressing. Applied Surface Science, 2010, 256, 6986-6990.	3.1	30

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73	The synergetic effect of carbon nanotubes and MoS <sub>2</sub> as co-catalysts for enhancing the photocatalytic oxygen evolution of Ag <sub>3</sub> PO <sub>4</sub> . <i>Ceramics International</i> , 2019, 45, 21120-21126.	2.3	27
74	Novel 3D flowerlike BiOCl <sub>0.7</sub> Br <sub>0.3</sub> microspheres coupled with graphene sheets with enhanced visible-light photocatalytic activity for the degradation of rhodamine B. <i>Ceramics International</i> , 2016, 42, 5607-5616.	2.3	25
75	Mechanistic insights into charge carrier dynamics in MoSe <sub>2</sub> /CdS heterojunctions for boosted photocatalytic hydrogen evolution. <i>Materials Today Physics</i> , 2020, 15, 100261.	2.9	23
76	Carbon hollow spheres as cocatalyst of Cu-doped TiO <sub>2</sub> nanoparticles for improved photocatalytic H <sub>2</sub> generation. <i>Rare Metals</i> , 2022, 41, 2063-2073.	3.6	23
77	Designing 0D/2D CdS nanoparticles/g-C <sub>3</sub> N <sub>4</sub> nanosheets heterojunction as efficient photocatalyst for improved H <sub>2</sub> -evolution. <i>Surfaces and Interfaces</i> , 2021, 26, 101312.	1.5	22
78	Difunctional hierarchical porous SiOC composites from silicone resin and rice husk for efficient adsorption and as a catalyst support. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124041.	2.3	21
79	Synergistic effect of a noble metal free MoS <sub>2</sub> co-catalyst and a ternary Bi <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> /P <sub>2</sub> S <sub>5</sub> heterojunction for enhanced photocatalytic H <sub>2</sub> production. <i>Ceramics International</i> , 2021, 47, 8895-8903.	2.3	21
80	Insights Into Highly Improved Solar-Driven Photocatalytic Oxygen Evolution Over Integrated Ag <sub>3</sub> PO <sub>4</sub> /MoS <sub>2</sub> Heterostructures. <i>Frontiers in Chemistry</i> , 2018, 6, 123.	1.8	19
81	Shape-controllable synthesis and morphology-dependent photocatalytic properties of AgBr photocatalysts. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6955-6963.	1.1	18
82	Microstructure and phase transformation of Ti <sub>3</sub> AC <sub>2</sub> (A = Al, Si) in hydrofluoric acid solution. <i>Crystal Research and Technology</i> , 2014, 49, 813-819.	0.6	17
83	Solar-driven photocatalytic water oxidation of Ag <sub>3</sub> PO <sub>4</sub> /CNTs@MoSe <sub>2</sub> ternary composite photocatalyst. <i>Applied Surface Science</i> , 2020, 505, 144613.	3.1	16
84	Construction of novel ternary dual Z-scheme Ag <sub>3</sub> VO <sub>4</sub> /C <sub>3</sub> N <sub>4</sub> /reduced TiO <sub>2</sub> composite with excellent visible-light photodegradation activity. <i>Journal of Materials Research</i> , 2019, 34, 2024-2036.	1.2	15
85	Synthesis, characterization and tribological properties of High purity Ti <sub>3</sub> SiC <sub>2</sub> nanolamellas. <i>Ceramics International</i> , 2014, 40, 6219-6224.	2.3	13
86	The synergistic effect of P doping and Ni(II) electron cocatalyst boosting photocatalytic H <sub>2</sub> -evolution activity of g-C <sub>3</sub> N <sub>4</sub> . <i>Ceramics International</i> , 2021, 47, 23386-23395.	2.3	11
87	Construction of UiO-66/Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> Type-II Heterojunction to Boost Charge Transfer for Promoting Photocatalytic CO <sub>2</sub> Reduction Performance. <i>Frontiers in Chemistry</i> , 2021, 9, 804204.	1.8	8
88	Surfactant-Assisted Solvothermal Synthesis and High Visible-Light-Induced Photocatalytic Activity of BiOBr Nanocomposite Photocatalyst. <i>Nano</i> , 2016, 11, 1650002.	0.5	5
89	Insights into the Effect of Reactive Oxygen Species Regulation on Photocatalytic Performance via Construction of a Metal-Semiconductor Heterojunction. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3478-3485.	0.9	5
90	Facile synthesis of ZnCd-MOF/Ag <sub>3</sub> PO <sub>4</sub> heterojunction for highly efficient photocatalytic oxygen evolution. <i>Research on Chemical Intermediates</i> , 2022, 48, 2821-2835.	1.3	3

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91	Construction of Ternary rGO/Ag <sub>2</sub> CO <sub>3</sub> /AgBr Heterostructured Photocatalyst for Improved Photocatalytic Activity and Stability. Journal of Nanoscience and Nanotechnology, 2018, 18, 7867-7872.	0.9	1