

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interfacial active-site-rich 0D Co ₃ O ₄ /1D TiO ₂ p-n heterojunction for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 428, 131338.	6.6	133
2	Rational construction of Ag ₃ PO ₄ /WO ₃ step-scheme heterojunction for enhanced solar-driven photocatalytic performance of O ₂ evolution and pollutant degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2549-2559.	5.0	45
3	Highly metallic Co-doped MoS ₂ nanosheets as an efficient cocatalyst to boost photoredox dual reaction for H ₂ production and benzyl alcohol oxidation. <i>Carbon</i> , 2022, 188, 70-80.	5.4	54
4	Carbon hollow spheres as cocatalyst of Cu-doped TiO ₂ nanoparticles for improved photocatalytic H ₂ generation. <i>Rare Metals</i> , 2022, 41, 2063-2073.	3.6	23
5	A review on photocatalytic systems capable of synchronously utilizing photogenerated electrons and holes. <i>Rare Metals</i> , 2022, 41, 2387-2404.	3.6	40
6	Efficient photocatalytic hydrogen evolution coupled with benzaldehyde production over 0D Cd _{0.5} Zn _{0.5} S/2D Ti ₃ C ₂ Schottky heterojunction. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1117-1130.	8.9	48
7	Facile synthesis of ZnCd-MOF/Ag ₃ PO ₄ heterojunction for highly efficient photocatalytic oxygen evolution. <i>Research on Chemical Intermediates</i> , 2022, 48, 2821-2835.	1.3	3
8	Construction of LSPR-enhanced 0D/2D CdS/MoO ₃ S-scheme heterojunctions for visible-light-driven photocatalytic H ₂ evolution. <i>Chinese Journal of Catalysis</i> , 2021, 42, 87-96.	6.9	254
9	Synergistic effect of a noble metal free MoS ₂ co-catalyst and a ternary Bi ₂ S ₃ /MoS ₂ /P ₂ S ₅ heterojunction for enhanced photocatalytic H ₂ production. <i>Ceramics International</i> , 2021, 47, 8895-8903.	2.3	21
10	Oxygen Vacancies Induced Plasmonic Effect for Realizing Broad Spectrum-Driven Photocatalytic H ₂ Evolution over an S-scheme CdS/W ₁₈ O ₄₉ Heterojunction. <i>ChemNanoMat</i> , 2021, 7, 44-49.	1.5	44
11	Internal electric field induced S-scheme heterojunction MoS ₂ /CoAl LDH for enhanced photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 470-479.	5.0	154
12	Unraveling the Roles of Hot Electrons and Cocatalyst toward Broad Spectrum Photocatalytic H ₂ Generation of g-C ₃ N ₄ Nanotube. <i>Solar Rrl</i> , 2021, 5, 2000504.	3.1	54
13	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
14	Construction of S-scheme MnO ₂ @CdS heterojunction with core-shell structure as H ₂ -production photocatalyst. <i>Rare Metals</i> , 2021, 40, 2381-2391.	3.6	60
15	Lattice-Matched CoP/CoS ₂ Heterostructure Cocatalyst to Boost Photocatalytic H ₂ Generation. <i>Inorganic Chemistry</i> , 2021, 60, 12506-12516.	1.9	40
16	The synergistic effect of P doping and Ni(II) electron cocatalyst boosting photocatalytic H ₂ -evolution activity of g-C ₃ N ₄ . <i>Ceramics International</i> , 2021, 47, 23386-23395.	2.3	11
17	Hot-electron-assisted S-scheme heterojunction of tungsten oxide/graphitic carbon nitride for broad-spectrum photocatalytic H ₂ generation. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1478-1487.	6.9	99
18	Designing 0D/2D CdS nanoparticles/g-C ₃ N ₄ nanosheets heterojunction as efficient photocatalyst for improved H ₂ -evolution. <i>Surfaces and Interfaces</i> , 2021, 26, 101312.	1.5	22

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19	Construction of UiO-66/Bi ₄ O ₅ Br ₂ Type-II Heterojunction to Boost Charge Transfer for Promoting Photocatalytic CO ₂ Reduction Performance. <i>Frontiers in Chemistry</i> , 2021, 9, 804204.	1.8	8
20	Highly efficient photocatalytic hydrogen evolution from 0D/2D heterojunction of FeP nanoparticles/CdS nanosheets. <i>Applied Surface Science</i> , 2020, 505, 144042.	3.1	52
21	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
22	Biomass carbon modified flower-like Bi ₂ WO ₆ hierarchical architecture with improved photocatalytic performance. <i>Ceramics International</i> , 2020, 46, 3623-3630.	2.3	43
23	Build-in electric field induced step-scheme TiO ₂ /W ₁₈ O ₄₉ heterojunction for enhanced photocatalytic activity under visible-light irradiation. <i>Ceramics International</i> , 2020, 46, 23-30.	2.3	99
24	In situ fabrication of 1D CdS nanorod/2D Ti ₃ C ₂ MXene nanosheet Schottky heterojunction toward enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118382.	10.8	429
25	Solar-driven photocatalytic water oxidation of Ag ₃ PO ₄ /CNTs@MoSe ₂ ternary composite photocatalyst. <i>Applied Surface Science</i> , 2020, 505, 144613.	3.1	16
26	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
27	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
28	Synergistic effect of Co(II)-hole and Pt-electron cocatalysts for enhanced photocatalytic hydrogen evolution performance of P-doped g-C ₃ N ₄ . <i>Chinese Journal of Catalysis</i> , 2020, 41, 72-81.	6.9	114
29	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
30	Development of magnetic imprinted 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
31	A latest overview on photocatalytic application of g-C ₃ N ₄ based nanostructured materials for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 337-379.	3.8	175
32	High-efficiency all-solid-state Z-scheme Ag ₃ PO ₄ /g-C ₃ N ₄ /MoSe ₂ photocatalyst with boosted visible-light photocatalytic performance for antibiotic elimination. <i>Applied Surface Science</i> , 2020, 530, 147234.	3.1	59
33	Mechanistic insights into charge carrier dynamics in MoSe ₂ /CdS heterojunctions for boosted photocatalytic hydrogen evolution. <i>Materials Today Physics</i> , 2020, 15, 100261.	2.9	23
34	Oxygen doped g-C ₃ N ₄ with nitrogen vacancy for enhanced photocatalytic hydrogen evolution. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3456-3461.	1.7	69
35	Construction 0D TiO ₂ nanoparticles/2D CoP nanosheets heterojunctions for enhanced photocatalytic H ₂ evolution activity. <i>Journal of Materials Science and Technology</i> , 2020, 56, 196-205.	5.6	126
36	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

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37	Porous Ni ₅ P ₄ as a promising cocatalyst for boosting the photocatalytic hydrogen evolution reaction performance. <i>Applied Catalysis B: Environmental</i> , 2020, 275, 119144.	10.8	194
38	Fabrication of dual direct Z-scheme g-C ₃ N ₄ /MoS ₂ /Ag ₃ PO ₄ photocatalyst and its oxygen evolution performance. <i>Applied Surface Science</i> , 2019, 463, 9-17.	3.1	145
39	The synergetic effect of carbon nanotubes and MoS ₂ as co-catalysts for enhancing the photocatalytic oxygen evolution of Ag ₃ PO ₄ . <i>Ceramics International</i> , 2019, 45, 21120-21126.	2.3	27
40	Built-in electric field induced CeO ₂ /Ti ₃ C ₂ -MXene Schottky-junction for coupled photocatalytic tetracycline degradation and CO ₂ reduction. <i>Ceramics International</i> , 2019, 45, 24146-24153.	2.3	152
41	Enhancement in photocatalytic activity of CO ₂ reduction to CH ₄ by 0D/2D Au/TiO ₂ plasmon heterojunction. <i>Applied Surface Science</i> , 2019, 493, 1142-1149.	3.1	83
42	Construction of Ti ₃ C ₂ MXene/O-doped g-C ₃ N ₄ 2D-2D Schottky-junction for enhanced photocatalytic hydrogen evolution. <i>Ceramics International</i> , 2019, 45, 24656-24663.	2.3	113
43	Enhanced photocatalytic H ₂ evolution of ultrathin g-C ₃ N ₄ nanosheets via surface shuttle redox. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151918.	2.8	31
44	Improved H ₂ -generation performance of Pt/CdS photocatalyst by a dual-function TiO ₂ mediator for effective electron transfer and hole blocking. <i>Ceramics International</i> , 2019, 45, 9807-9813.	2.3	53
45	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
46	Constructing novel visible-light-driven ternary photocatalyst of AgBr nanoparticles decorated 2D/2D heterojunction of g-C ₃ N ₄ /BiOBr nanosheets with remarkably enhanced photocatalytic activity for water-treatment. <i>Ceramics International</i> , 2019, 45, 19197-19205.	2.3	46
47	Oxamide-modified g-C ₃ N ₄ nanostructures: Tailoring surface topography for high-performance visible light photocatalysis. <i>Chemical Engineering Journal</i> , 2019, 374, 1064-1075.	6.6	218
48	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
49	Construction of novel ternary dual Z-scheme Ag ₃ VO ₄ /C ₃ N ₄ /reduced TiO ₂ composite with excellent visible-light photodegradation activity. <i>Journal of Materials Research</i> , 2019, 34, 2024-2036.	1.2	15
50	Accelerating photocatalytic hydrogen evolution and pollutant degradation by coupling organic co-catalysts with TiO ₂ . <i>Chinese Journal of Catalysis</i> , 2019, 40, 380-389.	6.9	105
51	Remarkable Enhancement in Solar Oxygen Evolution from MoSe ₂ /Ag ₃ PO ₄ Heterojunction Photocatalyst via In Situ Constructing Interfacial Contact. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8466-8474.	3.2	92
52	Unveiling the origin of boosted photocatalytic hydrogen evolution in simultaneously (S, P) ₂ Te ₃ /g-C ₃ N ₄ heterojunction. <i>Journal of Materials Research</i> , 2019, 34, 84-94.	10.8	300
53	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
54	Interfacial optimization of g-C ₃ N ₄ -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

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55	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
56	Fabrication of modified g-C 3 N 4 nanorod/Ag 3 PO 4 nanocomposites for solar-driven photocatalytic oxygen evolution from water splitting. <i>Applied Surface Science</i> , 2018, 430, 301-308.	3.1	92
57	Fabrication of flower-like direct Z-scheme $\text{I}^2\text{-Bi}_2\text{O}_3/\text{g-C}_3\text{N}_4$ photocatalyst with enhanced visible light photoactivity for Rhodamine B degradation. <i>Applied Surface Science</i> , 2018, 436, 162-171.	3.1	134
58	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
59	Solar photocatalytic water oxidation over $\text{Ag}_3\text{PO}_4/\text{g-C}_3\text{N}_4$ composite materials mediated by metallic Ag and graphene. <i>Applied Surface Science</i> , 2018, 430, 108-115.	3.1	89
60	MoS_2 quantum dots decorated g-C 3 N 4 /Ag heterostructures for enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2018, 430, 234-242.	3.1	131
61	Construction of Ternary $\text{rGO}/\text{Ag}_2\text{CO}_3/\text{AgBr}$ Heterostructured Photocatalyst for Improved Photocatalytic Activity and Stability. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7867-7872.	0.9	1
62	Hierarchical structured $\text{ZnFe}_2\text{O}_4 @ \text{SiO}_2 @ \text{TiO}_2$ composite for enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 761, 15-23.	2.8	60
63	Insights Into Highly Improved Solar-Driven Photocatalytic Oxygen Evolution Over Integrated $\text{Ag}_3\text{PO}_4/\text{MoS}_2$ Heterostructures. <i>Frontiers in Chemistry</i> , 2018, 6, 123.	1.8	19
64	Porous MoP network structure as co-catalyst for H_2 evolution over g-C ₃ N ₄ nanosheets. <i>Applied Surface Science</i> , 2018, 462, 822-830.	3.1	120
65	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
66	Dual Z-scheme g-C ₃ N ₄ /Ag ₃ PO ₄ /Ag ₂ MoO ₄ ternary composite photocatalyst for solar oxygen evolution from water splitting. <i>Applied Surface Science</i> , 2018, 456, 369-378.	3.1	196
67	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
68	AgBr and g-C 3 N 4 co-modified Ag_2CO_3 photocatalyst: A novel multi-heterostructured photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2017, 391, 440-448.	3.1	120
69	Construction of carbon nitride and MoS_2 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
70	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
71	Novel spindle-shaped nanoporous TiO_2 coupled graphitic g-C ₃ N ₄ nanosheets with enhanced visible-light photocatalytic activity. <i>Ceramics International</i> , 2016, 42, 18443-18452.	2.3	82
72	Fabrication of 3D $\text{CeVO}_4/\text{graphene}$ aerogels with efficient visible-light photocatalytic activity. <i>Ceramics International</i> , 2016, 42, 10487-10492.	2.3	50

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73	Novel 3D flowerlike BiOCl _{0.7} Br _{0.3} 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
74	Surfactant-Assisted Solvothermal Synthesis and High Visible-Light-Induced Photocatalytic Activity of BiOBr Nanocomposite Photocatalyst. <i>Nano</i> , 2016, 11, 1650002.	0.5	5
75	Silver Phosphate/Graphitic Carbon Nitride as an Efficient Photocatalytic Tandem System for Oxygen Evolution. <i>ChemSusChem</i> , 2015, 8, 1350-1358.	3.6	178
76	Tuning the Morphology of g-C ₃ N ₄ for Improvement of Z-Scheme Photocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15285-15293.	4.0	256
77	Fabrication of P25/Ag ₃ PO ₄ /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
78	Ag/ZnO/graphene oxide heterostructure for the removal of rhodamine B by the synergistic adsorption-degradation effects. <i>Ceramics International</i> , 2015, 41, 4231-4237.	2.3	42
79	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
80	Microstructure and phase transformation of Ti ₃ AC ₂ (A = Al, Si) in hydrofluoric acid solution. <i>Crystal Research and Technology</i> , 2014, 49, 813-819.	0.6	17
81	Synthesis, characterization and tribological properties of High purity Ti ₃ SiC ₂ nanolamellas. <i>Ceramics International</i> , 2014, 40, 6219-6224.	2.3	13
82	Low temperature synthesis and photocatalytic properties of mesoporous TiO ₂ nanospheres. <i>Journal of Alloys and Compounds</i> , 2014, 591, 52-57.	2.8	32
83	Synthesis and improved photocatalytic activity of ultrathin TiO ₂ nanosheets with nearly 100% exposed (001) facets. <i>Ceramics International</i> , 2014, 40, 16817-16823.	2.3	33
84	Bifunctional TiO ₂ /Ag ₃ PO ₄ /graphene composites with superior visible light photocatalytic performance and synergistic inactivation of bacteria. <i>RSC Advances</i> , 2014, 4, 18627-18636.	1.7	167
85	Hydrothermal synthesis and visible-light photocatalytic activity of γ -Fe ₂ O ₃ /TiO ₂ composite hollow microspheres. <i>Ceramics International</i> , 2013, 39, 8633-8640.	2.3	81
86	Morphology-controlled synthesis of Ag ₃ PO ₄ microcubes with enhanced visible-light-driven photocatalytic activity. <i>Ceramics International</i> , 2013, 39, 9715-9720.	2.3	48
87	Graphene-spindle shaped 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
88	Fabrication of Ag ₃ PO ₄ -Graphene Composites with Highly Efficient and Stable Visible Light Photocatalytic Performance. <i>ACS Catalysis</i> , 2013, 3, 363-369.	5.5	562
89	Facile synthesis of graphene oxide-enwrapped Ag ₃ PO ₄ composites with highly efficient visible light photocatalytic performance. <i>Materials Letters</i> , 2013, 93, 28-31.	1.3	85
90	Template-assisted hydrothermal synthesis and photocatalytic activity of novel TiO ₂ hollow nanostructures. <i>Ceramics International</i> , 2013, 39, 4969-4974.	2.3	36

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91	Surface characterization and growth mechanism of laminated Ti ₃ SiC ₂ crystals fabricated by hot isostatic pressing. Applied Surface Science, 2010, 256, 6986-6990.	3.1	30