

Cocatalysts for Selective Photoreduction of CO₂

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Surface modified C, O co-doped polymeric g-C ₃ N ₄ as an efficient photocatalyst for visible light assisted CO ₂ reduction and H ₂ O ₂ production. Applied Catalysis B: Environmental, 2019, 259, 118054.	20.2	163
3	InVO ₄ /AgVO ₃ Nanocomposite as a Direct Z-Scheme Photocatalyst toward Efficient and Selective Visible-Light-Driven CO ₂ Reduction. ACS Applied Materials & Interfaces, 2019, 11, 32025-32037.	8.0	73
4	Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with Cu ₂ O nanoparticles for CO ₂ methanation. Chemical Communications, 2019, 55, 10932-10935.	4.1	34
5	Graphdiyne: A New Photocatalytic CO ₂ Reduction Cocatalyst. Advanced Functional Materials, 2019, 29, 1904256.	14.9	207
6	Synthesis of a well-dispersed CaFe ₂ O ₄ /g-C ₃ N ₄ /CNT composite towards the degradation of toxic water pollutants under visible light. RSC Advances, 2019, 9, 25750-25761.	3.6	29
7	High-quality epitaxial Cu ₂ O films with (111)-terminated plateau grains obtained from single-crystal Cu (111) thin films by rapid thermal oxidation. Journal of Alloys and Compounds, 2019, 801, 536-541.	5.5	15
8	Hybrid poly (3-hexylthiophene) (P3HT) nanomesh/ZnO nanorod p-n junction visible photocatalyst for efficient indoor air purification. Applied Surface Science, 2019, 496, 143641.	6.1	13
9	Recent progress of nanostructured interfacial solar vapor generators. Applied Materials Today, 2019, 17, 45-84.	4.3	70
10	Semi-artificial Photosynthetic CO ₂ Reduction through Purple Membrane Re-engineering with Semiconductor. Journal of the American Chemical Society, 2019, 141, 11811-11815.	13.7	44
11	Self-assembly of Ag ₂ O quantum dots on the surface of ZnIn ₂ S ₄ nanosheets to fabricate p-n heterojunctions with wonderful bifunctional photocatalytic performance. Applied Surface Science, 2019, 494, 519-531.	6.1	73
12	Photocatalytic Activation and Reduction of CO ₂ to CH ₄ over Single Phase Nano Cu ₃ SnS ₄ : A Combined Experimental and Theoretical Study. ACS Applied Energy Materials, 2019, 2, 5677-5685.	5.1	54
13	Inorganic coordination polymer quantum sheets@graphene oxide composite photocatalysts: Performance and mechanism. Journal of Materials Research, 2019, 34, 3220-3230.	2.6	5
14	Fabrication of a novel carbon quantum Dots-Modified 2D heterojunction for highly efficient sunlight photocatalysis. Journal of Alloys and Compounds, 2019, 806, 761-773.	5.5	24
15	NH ₄ Cl-induced low-temperature formation of nitrogen-rich g-C ₃ N ₄ nanosheets with improved photocatalytic hydrogen evolution. Carbon, 2019, 153, 757-766.	10.3	132
16	Synergistically effective and highly visible light responsive SnO ₂ -g-C ₃ N ₄ nanostructures for improved photocatalytic and photoelectrochemical performance. Applied Surface Science, 2019, 495, 143432.	6.1	77
17	Enhancement in photocatalytic activity of CO ₂ reduction to CH ₄ by 0D/2D Au/TiO ₂ plasmon heterojunction. Applied Surface Science, 2019, 493, 1142-1149.	6.1	83
18	Inorganic-organic CdSe-diethylenetriamine nanobelts for enhanced visible photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2019, 555, 166-173.	9.4	44
19	Novel g-C ₃ N ₄ /g-C ₃ N ₄ S-scheme isotype heterojunction for improved photocatalytic hydrogen generation. Applied Surface Science, 2019, 495, 143555.	6.1	166

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20	Direct double Z-scheme O-g-C ₃ N ₄ /Zn ₂ SnO ₄ N/ZnO ternary heterojunction photocatalyst with enhanced visible photocatalytic activity. Applied Surface Science, 2019, 492, 690-702.	6.1	70
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22	Z-scheme MgFe ₂ O ₄ /Bi ₂ MoO ₆ heterojunction photocatalyst with enhanced visible light photocatalytic activity for malachite green removal. Applied Surface Science, 2019, 492, 527-539.	6.1	75
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24	The Chemistry of CO ₂ and TiO ₂ . Springer Briefs in Molecular Science, 2019, , .	0.1	3
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26	NH ₂ -UiO-66/g-C ₃ N ₄ /CdTe composites for photocatalytic CO ₂ reduction under visible light. APL Materials, 2019, 7, .	5.1	14
27	Catalytic CO ₂ Reduction with Boron and Aluminum Hydrides. ChemCatChem, 2019, 11, 5275-5281.	3.7	46
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29	Multi-Layered Mesoporous TiO ₂ Thin Films: Photoelectrodes with Improved Activity and Stability. Coatings, 2019, 9, 625.	2.6	6
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36	Mesoporous double-perovskite LaMnNiO ₆ (A = La, Pr, Sm) photothermal synergistic degradation of gaseous toluene. Journal of Materials Research, 2019, 34, 3439-3449.	2.6	12
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38	One-pot synthesis of step-scheme Bi ₂ S ₃ /porous g-C ₃ N ₄ heterostructure for enhanced photocatalytic performance. Materials Letters, 2019, 257, 126740.	2.6	66
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58	Novel visible-light-driven direct Z-scheme Zn ₃ V ₂ O ₈ /Ag ₃ PO ₄ heterojunctions for enhanced photocatalytic performance. <i>Journal of Alloys and Compounds</i> , 2019, 799, 113-123.	5.5	34
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64	Cu-NPs embedded 1D/2D CNTs/pCN heterojunction composite towards enhanced and continuous photocatalytic CO ₂ reduction to fuels. <i>Applied Surface Science</i> , 2019, 485, 450-461.	6.1	77
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129	Boosting visible-light driven solar-fuel production over g-C ₃ N ₄ /tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid photocatalyst via incorporation with carbon dots. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118595.	20.2	31
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132	Defect Engineering of Photocatalysts for Solar Energy Conversion. <i>Solar Rrl</i> , 2020, 4, 1900487.	5.8	85
133	Visible light-enhanced photothermal CO ₂ hydrogenation over Pt/Al ₂ O ₃ catalyst. <i>Chinese Journal of Catalysis</i> , 2020, 41, 286-293.	14.0	19
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135	Facile in situ fabrication of Cu ₂ O@Cu metal-semiconductor heterostructured nanorods for efficient visible-light driven CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020, 385, 123940.	12.7	71
136	Decorating g-C ₃ N ₄ with alkalized Ti ₃ C ₂ MXene for promoted photocatalytic CO ₂ reduction performance. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 406-417.	9.4	208
137	Apparent Potential Difference Boosting Directional Electron Transfer for Full Solar Spectrum-irradiated Catalytic H ₂ Evolution. <i>Advanced Functional Materials</i> , 2020, 30, 1908797.	14.9	64
138	In situ fabrication of CdMoO ₄ /g-C ₃ N ₄ composites with improved charge separation and photocatalytic activity under visible light irradiation. <i>Chinese Journal of Catalysis</i> , 2020, 41, 170-179.	14.0	64
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