

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.	10.8	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.	4.0	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.	2.2	34
5	Graphdiyne: A New Photocatalytic CO ₂ Reduction Cocatalyst. Advanced Functional Materials, 2019, 29, 1904256.	7.8	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.	1.7	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.	2.8	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.	3.1	13
9	Recent progress of nanostructured interfacial solar vapor generators. Applied Materials Today, 2019, 17, 45-84.	2.3	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.	6.6	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.	3.1	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.	2.5	54
13	Inorganic coordination polymer quantum sheets@graphene oxide composite photocatalysts: Performance and mechanism. Journal of Materials Research, 2019, 34, 3220-3230.	1.2	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.	2.8	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.	5.4	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.	3.1	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.	3.1	83
18	Inorganic-organic CdSe-diethylenetriamine nanobelts for enhanced visible photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2019, 555, 166-173.	5.0	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.	3.1	166

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21	Iodine-vacancy BiOI _{1-x} ultrathin sheets for improved visible-light photooxidation activities. Applied Surface Science, 2019, 493, 657-664.	3.1	16
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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, .	2.2	14
27	Catalytic CO ₂ Reduction with Boron and Aluminum Hydrides. ChemCatChem, 2019, 11, 5275-5281.	1.8	46
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34	In situ synthesis of adsorptive Bi ₂ O ₃ /BiOBr photocatalyst with enhanced degradation efficiency. Journal of Materials Research, 2019, 34, 3450-3461.	1.2	12
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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.	1.2	12
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39	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
40	Photocatalytic H ₂ evolution on graphdiyne/g-C ₃ N ₄ hybrid nanocomposites. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117770.	10.8	284
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46	Role of Bicarbonate Ions in Aqueous Solution as a Carbon Source for Photocatalytic Conversion of CO ₂ into CO. <i>ACS Applied Energy Materials</i> , 2019, 2, 5397-5405.	2.5	16
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111	Synthesis of novel and environmental sustainable AgI-Ag ₂ S nanospheres impregnated g-C ₃ N ₄ photocatalyst for efficient degradation of aqueous pollutants. <i>Applied Surface Science</i> , 2020, 500, 143991.	3.1	59
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113	Enhanced photocatalytic H ₂ -production activity of WO ₃ /TiO ₂ step-scheme heterojunction by graphene modification. <i>Chinese Journal of Catalysis</i> , 2020, 41, 9-20.	6.9	458
114	Renewable methanol and formate as microbial feedstocks. <i>Current Opinion in Biotechnology</i> , 2020, 62, 168-180.	3.3	200
115	Photocatalytic CO ₂ reduction over platinum modified hexagonal tungsten oxide: Effects of platinum on forward and back reactions. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118331.	10.8	38
116	The Z-scheme Ag ₂ CO ₃ @g-C ₃ N ₄ core-shell structure for increased photoinduced charge separation and stable photocatalytic degradation. <i>Applied Surface Science</i> , 2020, 504, 144345.	3.1	53
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118	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
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121	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. <i>ChemCatChem</i> , 2020, 12, 1603-1608.	1.8	13
122	Metallic MoO ₂ -Modified Graphitic Carbon Nitride Boosting Photocatalytic CO ₂ Reduction via Schottky Junction. <i>Solar Rrl</i> , 2020, 4, 1900416.	3.1	59
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126	Highly efficient nanostructured metal-decorated hybrid semiconductors for solar conversion of CO ₂ with almost complete CO selectivity. <i>Materials Today</i> , 2020, 35, 25-33.	8.3	44
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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.	10.8	31
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131	Immobilization of catalytic sites on quantum dots by ligand bridging for photocatalytic CO ₂ reduction. <i>Nanoscale</i> , 2020, 12, 2507-2514.	2.8	24
132	Defect Engineering of Photocatalysts for Solar Energy Conversion. <i>Solar Rrl</i> , 2020, 4, 1900487.	3.1	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.	6.9	19
134	Significant improvement in activity, durability, and light-to-fuel efficiency of Ni nanoparticles by La ₂ O ₃ cluster modification for photothermocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118544.	10.8	46
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.	6.6	71
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