

Photocatalytic CO₂ Reduction to C₂+ Products

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Semiconductor based photocatalytic degradation of pesticides: An overview. Environmental Technology and Innovation, 2020, 20, 101128.	3.0	105
2	A Robust Titanium Isophthalate Metal-Organic Framework for Visible-Light Photocatalytic CO ₂ Methanation. Chem, 2020, 6, 3409-3427.	5.8	41
3	Photocatalytic CO ₂ Reduction: A Review of Ab Initio Mechanism, Kinetics, and Multiscale Modeling Simulations. ACS Catalysis, 2020, 10, 14984-15007.	5.5	199
4	Grand Challenges for Catalytic Remediation in Environmental and Energy Applications Toward a Cleaner and Sustainable Future. Frontiers in Environmental Chemistry, 2020, 1, .	0.7	34
5	Multifaceted aspects of charge transfer. Physical Chemistry Chemical Physics, 2020, 22, 21583-21629.	1.3	26
6	State-of-the-art advancements in photo-assisted CO ₂ hydrogenation: recent progress in catalyst development and reaction mechanisms. Journal of Materials Chemistry A, 2020, 8, 24868-24894.	5.2	40
7	Identification of Halogen-Associated Active Sites on Bismuth-Based Perovskite Quantum Dots for Efficient and Selective CO ₂ -to-CO Photoreduction. ACS Nano, 2020, 14, 13103-13114.	7.3	282
8	2D layered all-inorganic halide perovskites: recent trends in their structure, synthesis and properties. Nanoscale, 2020, 12, 21094-21117.	2.8	45
9	Continuously Selective Photocatalytic CO ₂ Fixation via Controllable S/Se Ratio in a TiO ₂ –MoS ₂ /Se Dual-Excitation Heterostructured Nanotree. ACS Photonics, 2020, 7, 3394-3400.	3.2	10
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11	Catalytic conversion of CO ₂ to chemicals and fuels: the collective thermocatalytic/photocatalytic/electrocatalytic approach with graphitic carbon nitride. Materials Advances, 2020, 1, 1506-1545.	2.6	96
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14	CeO ₂ /3D g-C ₃ N ₄ heterojunction deposited with Pt cocatalyst for enhanced photocatalytic CO ₂ reduction. Applied Surface Science, 2021, 537, 147891.	3.1	147
15	Boosting photocatalytic CO ₂ reduction over a covalent organic framework decorated with ruthenium nanoparticles. Chemical Engineering Journal, 2021, 405, 127011.	6.6	104
16	In-situ growth of ultrafine ZnO on g-C ₃ N ₄ layer for highly active and selective CO ₂ photoreduction to CH ₄ under visible light. Materials Research Bulletin, 2021, 137, 111177.	2.7	25
17	Synergistic carbon and hydrogen reactions in the electrochemical reduction of CO ₂ to liquid fuels. Journal of Materials Chemistry A, 2021, 9, 10546-10561.	5.2	18
18	Strategies and Challenges on Selectivity of Photocatalytic Oxidation of Organic Substances. Advanced Energy Materials, 2021, 11, 2003216.	10.2	216

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19	Well-defined Cu ₂ O photocatalysts for solar fuels and chemicals. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5915-5951.	5.2	101
20	Halide perovskite composites for photocatalysis: A mini review. <i>EcoMat</i> , 2021, 3, e12079.	6.8	60
21	Defective TiO ₂ for photocatalytic CO ₂ conversion to fuels and chemicals. <i>Chemical Science</i> , 2021, 12, 4267-4299.	3.7	77
22	Metal–support interactions in Fe–Cu–K admixed with SAPO-34 catalysts for highly selective transformation of CO ₂ and H ₂ into lower olefins. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21877-21887.	5.2	11
23	Construction of a Z-scheme heterojunction for high-efficiency visible-light-driven photocatalytic CO ₂ reduction. <i>Nanoscale</i> , 2021, 13, 4359-4389.	2.8	107
24	Fe clusters embedded on N-doped graphene as a photothermal catalyst for selective CO ₂ hydrogenation. <i>Chemical Communications</i> , 2021, 57, 10075-10078.	2.2	4
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37	Ag quantum dots modified hierarchically porous and defective TiO ₂ nanoparticles for improved photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021, 410, 128397.	6.6	84
38	Cu media constructed Z-scheme heterojunction of UiO-66-NH ₂ /Cu ₂ O/Cu for enhanced photocatalytic induction of CO ₂ . <i>Applied Surface Science</i> , 2021, 545, 148967.	3.1	40
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