

Industrial carbon dioxide capture and utilization: state

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Citation Report

#	ARTICLE	IF	CITATIONS
1	CO ₂ capture performance and mechanism of blended amine solvents regulated by N-methylcyclohexylamine. <i>Energy</i> , 2021, 215, 119209.	4.5	46
2	Selective CO ₂ Sorption Using Compartmentalized Coordination Polymers with Discrete Voids**. <i>Chemistry - A European Journal</i> , 2021, 27, 4653-4659.	1.7	5
3	Towards the development of the emerging process of CO ₂ heterogenous hydrogenation into high-value unsaturated heavy hydrocarbons. <i>Chemical Society Reviews</i> , 2021, 50, 10764-10805.	18.7	161
4	Catalyst-free development of N-doped microporous carbons for selective CO ₂ separation. <i>New Journal of Chemistry</i> , 2021, 45, 7308-7314.	1.4	1
5	Recent advances and the design criteria of metal sulfide photocathodes and photoanodes for photoelectrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20277-20319.	5.2	53
6	Preparation and Photothermal Catalytic Application of Powder-form Cobalt Plasmonic Superstructures. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021, , 458.	0.6	4
7	Molecular dynamics simulations of a hydrophilic MIL-160-based membrane demonstrate pressure-dependent selective uptake of industrially relevant greenhouse gases. <i>Materials Advances</i> , 2021, 2, 5922-5934.	2.6	3
8	Recent advances in integrated CO ₂ capture and utilization: a review. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4546-4559.	2.5	142
9	High-performance Pt _{0.01} Fe _{0.05} -g-C ₃ N ₄ Catalyst for Photothermal Catalytic CO ₂ Reduction. <i>Acta Chimica Sinica</i> , 2021, 79, 932.	0.5	6
10	A novel photochemical sensor based on quinoline-functionalized phenazine derivatives for multiple substrate detection. <i>New Journal of Chemistry</i> , 2021, 45, 5040-5048.	1.4	5
11	Synthesis of amino alcohols, cyclic urea, urethanes, and cyclic carbonates and tandem one-pot conversion of an epoxide to urethanes using a Zn–Zr bimetallic oxide catalyst. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1498-1510.	2.5	7
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13	Molten Salt-Promoted MgO Adsorbents for CO ₂ Capture: Transient Kinetic Studies. <i>Environmental Science & Technology</i> , 2021, 55, 4513-4521.	4.6	30
14	Active Nanointerfaces Based on Enzyme Carbonic Anhydrase and Metal–Organic Framework for Carbon Dioxide Reduction. <i>Nanomaterials</i> , 2021, 11, 1008.	1.9	7
15	Design, synthesis, and physicochemical study of a biomass-derived CO ₂ sorbent 2,5-furan-bis(iminoguanidine). <i>IScience</i> , 2021, 24, 102263.	1.9	3
16	Cation Effects of Phosphate Additives for Enhancing the Oxidative Stability of Amine-Containing CO ₂ Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6147-6152.	1.8	5
17	CO ₂ capture on aminosilane functionalized alumina-extracted residue of catalytic gasification coal ash. <i>Energy</i> , 2021, 221, 119642.	4.5	7
18	High-temperature CO ₂ adsorption by one-step fabricated Nd-doped Li ₄ SiO ₄ pellets. <i>Chemical Engineering Journal</i> , 2021, 410, 128346.	6.6	21

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20	Two-Dimensional Metal Halide Perovskite Nanosheets for Efficient Photocatalytic CO ₂ Reduction. <i>Solar Rrl</i> , 2021, 5, 2100263.	3.1	36
21	Perspectives on Multifunctional Catalysts Derived from Layered Double Hydroxides toward Upgrading Reactions of Biomass Resources. <i>ACS Catalysis</i> , 2021, 11, 6440-6454.	5.5	46
22	Energy efficient diethylenetriamine-1-propanol biphasic solvent for CO ₂ capture: Experimental and theoretical study. <i>Applied Energy</i> , 2021, 290, 116768.	5.1	44
23	Trends and Prospects in UiO-66 Metal-Organic Framework for CO ₂ Capture, Separation, and Conversion. <i>Chemical Record</i> , 2021, 21, 1771-1791.	2.9	48
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26	Net Zero and Catalysis: How Neutrons Can Help. <i>Physchem</i> , 2021, 1, 95-120.	0.5	3
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