

# Jie Zhu

## List of Publications by Year in descending order

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18  
papers

1,564  
citations

687363

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h-index

839539

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all docs

18  
docs citations

18  
times ranked

1567  
citing authors

#	ARTICLE	IF	CITATIONS
1	A short review of recent advances in CO <sub>2</sub> hydrogenation to hydrocarbons over heterogeneous catalysts. RSC Advances, 2018, 8, 7651-7669.	3.6	499
2	CO <sub>2</sub> Hydrogenation to Methanol over In <sub>2</sub> O <sub>3</sub> -Based Catalysts: From Mechanism to Catalyst Development. ACS Catalysis, 2021, 11, 1406-1423.	11.2	198
3	CO <sub>2</sub> Hydrogenation on Unpromoted and M-Promoted Co/TiO <sub>2</sub> Catalysts (M = Tj ETQq1 1 0.784314 rgBT / Distribution. ACS Catalysis, 2019, 9, 2739-2751.	11.2	130
4	Variation in the In <sub>2</sub> O <sub>3</sub> Crystal Phase Alters Catalytic Performance toward the Reverse Water Gas Shift Reaction. ACS Catalysis, 2020, 10, 3264-3273.	11.2	112
5	Deconvolution of the Particle Size Effect on CO <sub>2</sub> Hydrogenation over Iron-Based Catalysts. ACS Catalysis, 2020, 10, 7424-7433.	11.2	108
6	Utilization of CO <sub>2</sub> for aromatics production over ZnO/ZrO <sub>2</sub> -ZSM-5 tandem catalyst. Journal of CO <sub>2</sub> Utilization, 2019, 29, 140-145.	6.8	96
7	Dynamic structural evolution of iron catalysts involving competitive oxidation and carburization during CO <sub>2</sub> hydrogenation. Science Advances, 2022, 8, eabm3629.	10.3	92
8	A combined experimental and DFT study of H <sub>2</sub> O effect on In <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> catalyst for CO <sub>2</sub> hydrogenation to methanol. Journal of Catalysis, 2020, 383, 283-296.	6.2	73
9	Direct Transformation of Carbon Dioxide to Value-Added Hydrocarbons by Physical Mixtures of Fe <sub>5</sub> C <sub>2</sub> and K-Modified Al <sub>2</sub> O <sub>3</sub> . Industrial & Engineering Chemistry Research, 2018, 57, 9120-9126.	3.7	56
10	Reaction-driven surface reconstruction of ZnAl <sub>2</sub> O <sub>4</sub> boosts the methanol selectivity in CO <sub>2</sub> catalytic hydrogenation. Applied Catalysis B: Environmental, 2021, 284, 119700.	20.2	53
11	Boosting light olefin selectivity in CO <sub>2</sub> hydrogenation by adding Co to Fe catalysts within close proximity. Catalysis Today, 2021, 371, 142-149.	4.4	43
12	Promoting Propane Dehydrogenation with CO <sub>2</sub> over the PtFe Bimetallic Catalyst by Eliminating the Non-selective Fe(O) Phase. ACS Catalysis, 2022, 12, 6559-6569.	11.2	26
13	Crystallographic dependence of CO <sub>2</sub> hydrogenation pathways over HCP-Co and FCC-Co catalysts. Applied Catalysis B: Environmental, 2022, 315, 121529.	20.2	24
14	Structural and Catalytic Properties of Isolated Pt <sup>2+</sup> Sites in Platinum Phosphide (PtP <sub>2</sub> ). ACS Catalysis, 2021, 11, 13496-13509.	11.2	15
15	Promoting propane dehydrogenation with CO <sub>2</sub> over Ga <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> by eliminating Ga-hydrides. Chinese Journal of Catalysis, 2021, 42, 2225-2233.	14.0	13
16	Unraveling the tunable selectivity on cobalt oxide and metallic cobalt sites for CO <sub>2</sub> hydrogenation. Chemical Engineering Journal, 2022, 446, 137217.	12.7	13
17	Facile Preparation of Methyl Phenols from Ethanol over Lamellar Ce(OH)SO <sub>4</sub> ·xH <sub>2</sub> O. ACS Catalysis, 2021, 11, 6162-6174.	11.2	9
18	Boosting the Production of Higher Alcohols from CO <sub>2</sub> and H <sub>2</sub> over Mn- and K-Modified Iron Carbide. Industrial & Engineering Chemistry Research, 2022, 61, 7266-7274.	3.7	4