

# Jie Zhu

## List of Publications by Year in descending order

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18  
papers

1,564  
citations

687363

13  
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839539

18  
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18  
all docs

18  
docs citations

18  
times ranked

1567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic structural evolution of iron catalysts involving competitive oxidation and carburization during CO <sub>2</sub> hydrogenation. <i>Science Advances</i> , 2022, 8, eabm3629.	10.3	92
2	Boosting the Production of Higher Alcohols from CO <sub>2</sub> and H <sub>2</sub> over Mn- and K-Modified Iron Carbide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 7266-7274.	3.7	4
3	Promoting Propane Dehydrogenation with CO <sub>2</sub> over the PtFe Bimetallic Catalyst by Eliminating the Non-selective Fe(0) Phase. <i>ACS Catalysis</i> , 2022, 12, 6559-6569.	11.2	26
4	Crystallographic dependence of CO <sub>2</sub> hydrogenation pathways over HCP-Co and FCC-Co catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121529.	20.2	24
5	Unraveling the tunable selectivity on cobalt oxide and metallic cobalt sites for CO <sub>2</sub> hydrogenation. <i>Chemical Engineering Journal</i> , 2022, 446, 137217.	12.7	13
6	Boosting light olefin selectivity in CO <sub>2</sub> hydrogenation by adding Co to Fe catalysts within close proximity. <i>Catalysis Today</i> , 2021, 371, 142-149.	4.4	43
7	Reaction-driven surface reconstruction of ZnAl <sub>2</sub> O <sub>4</sub> boosts the methanol selectivity in CO <sub>2</sub> catalytic hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119700.	20.2	53
8	CO <sub>2</sub> Hydrogenation to Methanol over In <sub>2</sub> O <sub>3</sub> -Based Catalysts: From Mechanism to Catalyst Development. <i>ACS Catalysis</i> , 2021, 11, 1406-1423.	11.2	198
9	Facile Preparation of Methyl Phenols from Ethanol over Lamellar Ce(OH)SO <sub>4</sub> ·xH <sub>2</sub> O. <i>ACS Catalysis</i> , 2021, 11, 6162-6174.	11.2	9
10	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. <i>Chinese Journal of Catalysis</i> , 2021, 42, 2225-2233.	14.0	13
11	Structural and Catalytic Properties of Isolated Pt <sup>2+</sup> Sites in Platinum Phosphide (PtP <sub>2</sub> ). <i>ACS Catalysis</i> , 2021, 11, 13496-13509.	11.2	15
12	Variation in the In <sub>2</sub> O <sub>3</sub> Crystal Phase Alters Catalytic Performance toward the Reverse Water Gas Shift Reaction. <i>ACS Catalysis</i> , 2020, 10, 3264-3273.	11.2	112
13	Deconvolution of the Particle Size Effect on CO <sub>2</sub> Hydrogenation over Iron-Based Catalysts. <i>ACS Catalysis</i> , 2020, 10, 7424-7433.	11.2	108
14	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. <i>Journal of Catalysis</i> , 2020, 383, 283-296.	6.2	73
15	CO <sub>2</sub> Hydrogenation on Unpromoted and M-Promoted Co/TiO <sub>2</sub> Catalysts (M = Tj ETQq1 1 0.784314 rgBT /O) Distribution. <i>ACS Catalysis</i> , 2019, 9, 2739-2751.	11.2	130
16	Utilization of CO <sub>2</sub> for aromatics production over ZnO/ZrO <sub>2</sub> -ZSM-5 tandem catalyst. <i>Journal of CO<sub>2</sub> Utilization</i> , 2019, 29, 140-145.	6.8	96
17	A short review of recent advances in CO <sub>2</sub> hydrogenation to hydrocarbons over heterogeneous catalysts. <i>RSC Advances</i> , 2018, 8, 7651-7669.	3.6	499
18	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> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 9120-9126.	3.7	56