

Kaihang Sun

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,847
citations

430874

18
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ hydrogenation to methanol over Pd/In ₂ O ₃ : effects of Pd and oxygen vacancy. Applied Catalysis B: Environmental, 2017, 218, 488-497.	20.2	460
2	Hydrogenation of CO ₂ to methanol over In ₂ O ₃ catalyst. Journal of CO ₂ Utilization, 2015, 12, 1-6.	6.8	236
3	Selective hydrogenation of CO ₂ to methanol over Ni/In ₂ O ₃ catalyst. Journal of Energy Chemistry, 2020, 50, 409-415.	12.9	159
4	Hydrogenation of CO ₂ to Methanol on a Au ⁺ /In ₂ O ₃ Catalyst. ACS Catalysis, 2020, 10, 11307-11317.	11.2	142
5	Three-dimensional Printed Acrylonitrile Butadiene Styrene Framework Coated with Cu-BTC Metal-organic Frameworks for the Removal of Methylene Blue. Scientific Reports, 2014, 4, 5939.	3.3	118
6	Highly Active Ir/In ₂ O ₃ Catalysts for Selective Hydrogenation of CO ₂ to Methanol: Experimental and Theoretical Studies. ACS Catalysis, 2021, 11, 4036-4046.	11.2	108
7	A highly active Pt/In ₂ O ₃ catalyst for CO ₂ hydrogenation to methanol with enhanced stability. Green Chemistry, 2020, 22, 5059-5066.	9.0	107
8	CO ₂ hydrogenation to methanol over Rh/In ₂ O ₃ catalyst. Catalysis Today, 2021, 365, 341-347.	4.4	94
9	Improved activity of Ni/MgAl ₂ O ₄ for CO ₂ methanation by the plasma decomposition. Journal of Energy Chemistry, 2015, 24, 655-659.	12.9	88
10	Experimental and theoretical studies of CO ₂ hydrogenation to methanol on Ru/In ₂ O ₃ . Journal of CO ₂ Utilization, 2021, 53, 101720.	6.8	54
11	Synergistic effect of the metal-support interaction and interfacial oxygen vacancy for CO ₂ hydrogenation to methanol over Ni/In ₂ O ₃ catalyst: A theoretical study. Journal of Energy Chemistry, 2022, 65, 623-629.	12.9	51
12	The feasibility study of the indium oxide supported silver catalyst for selective hydrogenation of CO ₂ to methanol. Green Energy and Environment, 2022, 7, 807-817.	8.7	45
13	Advances in studies of the structural effects of supported Ni catalysts for CO ₂ hydrogenation: from nanoparticle to single atom catalyst. Journal of Materials Chemistry A, 2022, 10, 5792-5812.	10.3	42
14	Density functional theoretical study of Au ₄ /In ₂ O ₃ catalyst for CO ₂ hydrogenation to methanol: The strong metal-support interaction and its effect. Journal of CO ₂ Utilization, 2020, 42, 101313.	6.8	39
15	A Highly Active Au/In ₂ O ₃ -ZrO ₂ Catalyst for Selective Hydrogenation of CO ₂ to Methanol. Catalysts, 2020, 10, 1360.	3.5	34
16	Theoretical Study of Selective Hydrogenation of CO ₂ to Methanol over Pt ₄ /In ₂ O ₃ Model Catalyst. Journal of Physical Chemistry C, 2021, 125, 10926-10936.	3.1	29
17	Improvement in the activity of Ni/In ₂ O ₃ with the addition of ZrO ₂ for CO ₂ hydrogenation to methanol. Catalysis Communications, 2022, 162, 106386.	3.3	22
18	CO ₂ hydrogenation to methanol over Rh/In ₂ O ₃ -ZrO ₂ catalyst with improved activity. Green Chemical Engineering, 2022, 3, 165-170.	6.3	19