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Catalytic carbon dioxide hydrogenation to methane: A review of recent studies

DOI: 10.1016/j.jechem.2016.03.009

Journal of Energy Chemistry, 2016, 25, 553-565.

Source: <https://exaly.com/paper-pdf/65628694/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
271	The thermodynamics analysis and experimental validation for complicated systems in CO ₂ hydrogenation process. <i>Journal of Energy Chemistry</i> , 2016 , 25, 1027-1037	12	45
270	Plasma deposited novel nanocatalysts for CO ₂ hydrogenation to methane. <i>Journal of CO₂ Utilization</i> , 2017 , 17, 312-319	7.6	22
269	CO and CO ₂ Methanation Over Supported Cobalt Catalysts. 2017 , 60, 714-720		31
268	Electrochemical reduction of CO ₂ in solid oxide electrolysis cells. <i>Journal of Energy Chemistry</i> , 2017 , 26, 593-601	12	75
267	Hydroxyapatite: A review of syntheses, structure and applications in heterogeneous catalysis. 2017 , 347, 48-76		207
266	Enhanced activity of CO ₂ methanation over mesoporous nanocrystalline NiAl ₂ O ₃ catalysts prepared by ultrasound-assisted co-precipitation method. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15115-15125	6.7	62
265	CO ₂ methanation over rare earth doped Ni based mesoporous catalysts with intensified low-temperature activity. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15523-15539	6.7	74
264	Hydrogenation of CO ₂ over supported noble metal catalysts. <i>Applied Catalysis A: General</i> , 2017 , 542, 63-70	5.1	97
263	Effect of La, Mg and Mo additives on dispersion and thermostability of Ni species on KIT-6 for CO methanation. <i>Applied Catalysis A: General</i> , 2017 , 543, 125-132	5.1	11
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2 Shaping of Porous CeO₂ Powders into Highly Active Catalyst Carriers. ○

1 Catalytic Sabatier Process under Thermally and Magnetically Induced Heating: A Comparative Case Study for Titania-Supported Nickel Catalyst. **2023**, 13, 1474 ○