

Effect of support on catalytic activity of Pt/CeO₂ nanorod in water gas shift reaction

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가

CO₂

. WGS(Water Gas Shift) 가 가 CO

(CO + H₂O ⇌ H₂ + CO₂ (H=-10kcal/mol)). WGS

가 가

Oxygen storage Capacity가 CeO₂ nanorod

CeCl₃·7H₂O H₂SO₄, 80°C 12h,

48h, 96h CO platinum CeO₂

. WGS GHSV가 95,541h⁻¹, steam/carbon=2

200~360°C , CeO₂ nanorod 가

. , CeO₂ 가