

Stepwise production of syngas and hydrogen from methane reforming and water splitting by using mixed tungsten oxide-cerium oxide

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ZrO₂

ZrO₂

(Ce₂O₃ -

WO₃/ZrO₂)

(Ce₂O₃ : WO₃ = 0.5 ~ 3 : 1)

ZrO₂

(900, 950

1000 °C)

WO₃

가

Ce₂O₃ -WO₃/ZrO₂

가

가