Supplementary Material

Figure S1. Kinetic study of the R.W.G.S. reaction on the nickel mesh (■), Ni/GDC with Ni mesh (●) and Ni/GDC without Ni mesh (△), in the range of 800-900 °C, under two different mixtures: (A) 24.5% H₂O - 24.5% CO₂ - 21% H₂ (P_H₂/P_CO₂ = 0.86) and (B) 28% H₂O - 28% CO₂ - 14% H₂ (P_H₂/P_CO₂ = 0.50). Dilution of He: 30 vol.% and F_total = 140 cm³/min (STP conditions: 0 °C, 1 atm) in all cases. The loading of Ni/GDC is 11 mg/cm².