

Supporting Information

Preparation of BCYF_{0.10}-YDC/BCYF_{0.10}-Ni dual-layer hollow fiber membrane for dry reforming of methane and hydrogen purification

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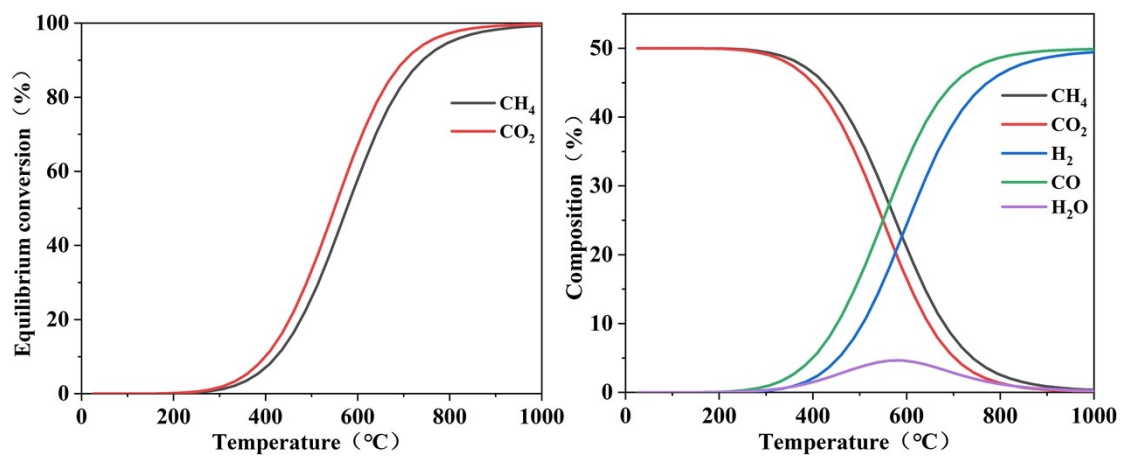


Fig. S1 Equilibrium conversion (Left: CH₄ and CO₂) and composition (Right: H₂, CO, CO₂, H₂O, CH₄) at 900°C. Reaction pressure: atmosphere; CH₄/CO₂ ratio: 1:1.

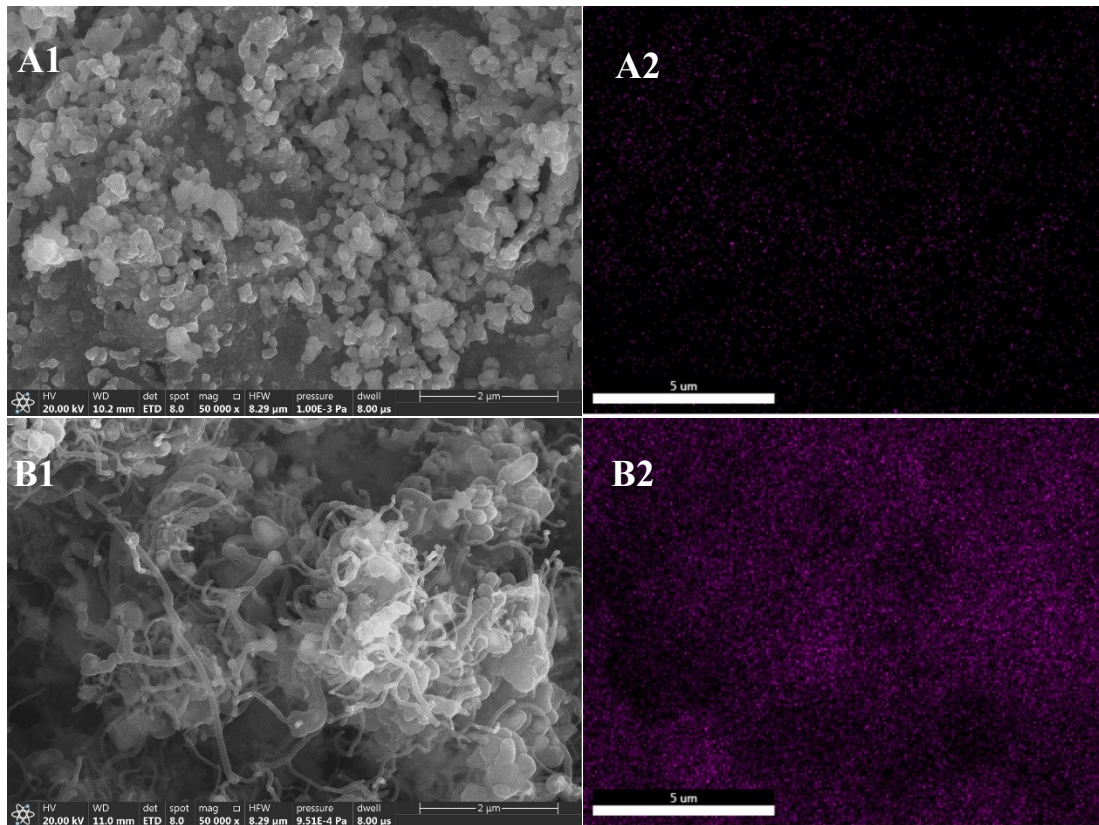


Fig. S2 EDS mapping of catalysts (A) before and (B) after short-term stability test.

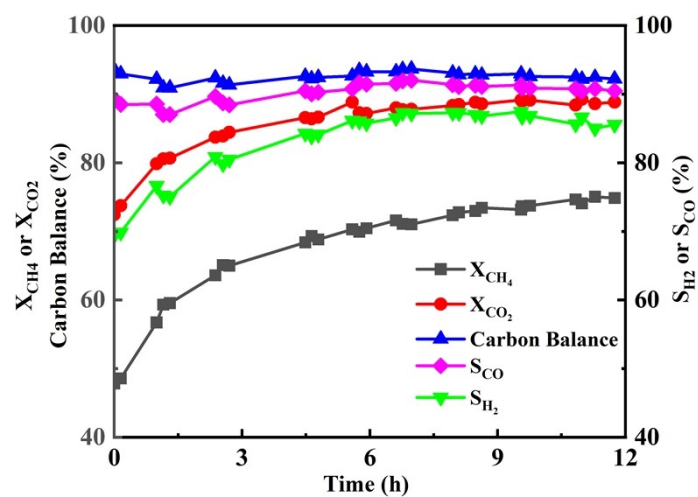


Fig. S3 Short-term stability of 30 wt.% Ni/BCYF0.10-YDC catalysts at 900 °C.