

## Supporting Information

### Effect of Strontium on the performance of Ni/CBV20A catalyst in partial oxidation of methane for syngas and hydrogen production

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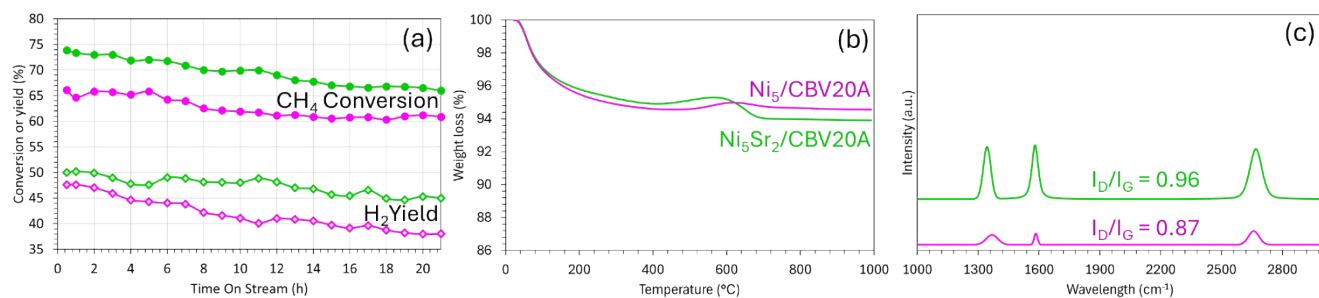


Figure S1: (a) CH<sub>4</sub> conversion (filled symbols) and H<sub>2</sub> yield (empty symbols), (b) TGA results and (c) Raman spectra of  $\text{Ni}_5/\text{CBV20A}$  (plots in purple) and  $\text{Ni}_5\text{Sr}_2/\text{CBV20A}$  (plots in green) catalysts after evaluation at 700 °C and 1 atm (GHSV = 14,400  $\text{mL.g}^{-1}.\text{h}^{-1}$ ).