

# Promoter Impact on 5Ni/SAPO-5 Catalyst for H<sub>2</sub> Production via Methane Partial Oxidation

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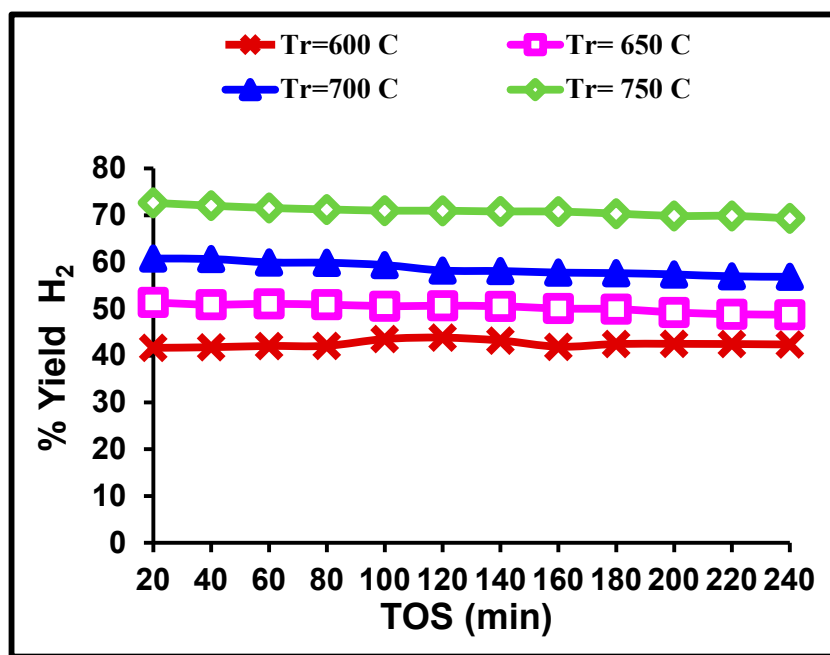


Figure S1: % H<sub>2</sub>-yield versus TOS at different reaction temperatures

**Table S1:** H<sub>2</sub> Uptake During TPR Analysis calcined at 600 °C

Sample	Temperature (°C)	Total Quantity (cm <sup>3</sup> /gSTP)	Experimental H <sub>2</sub> Capacity (cm <sup>3</sup> /gSTP)	Theoretical H <sub>2</sub> Capacity (cm <sup>3</sup> /gSTP)	% Reduction
5Ni/SAPO-5	667-983	2.26	2.26	19.08	11.84
5Ni+1Sr/SAPO-5	423-414-647-975	1.94	1.94	19.08	10.17
5Ni+1Ce/SAPO-5	431-660-973	1.78	1.78	19.08	9.33
5Ni+1Cu/SAPO-5	399-974	13.57	13.57	19.08	71.12