

Electronic Supplementary Information (ESI)

The investigation of non-noble metal doped mesoporous cobalt oxide catalysts for the water-gas shift reaction

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Table S1. Comparative data on WGS reaction over Co based catalysts

Catalyst	GHSV (h ⁻¹)	CO conversion (%)	Temperature (°C)	Reference
Ni/Co ₃ O ₄	36,027	93	280	Present work
CuCo	6,600	67	300	REF ¹
FeCo	6,600	5	300	REF ¹
CoNi/ZnO	15,000	50	269	REF ²

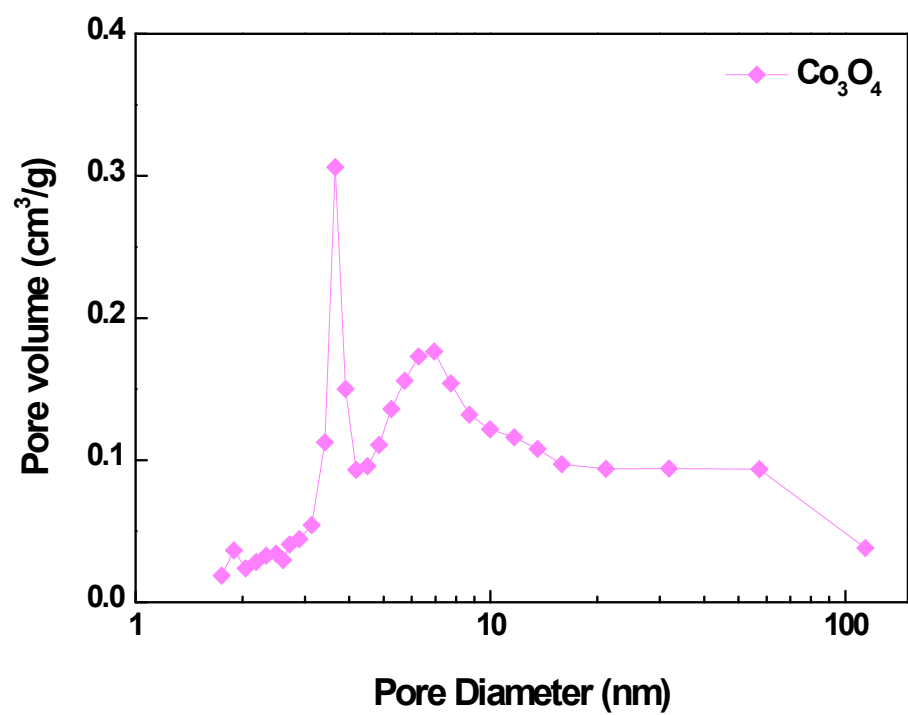


Fig. S1 Pore size distribution of Co_3O_4 catalyst.

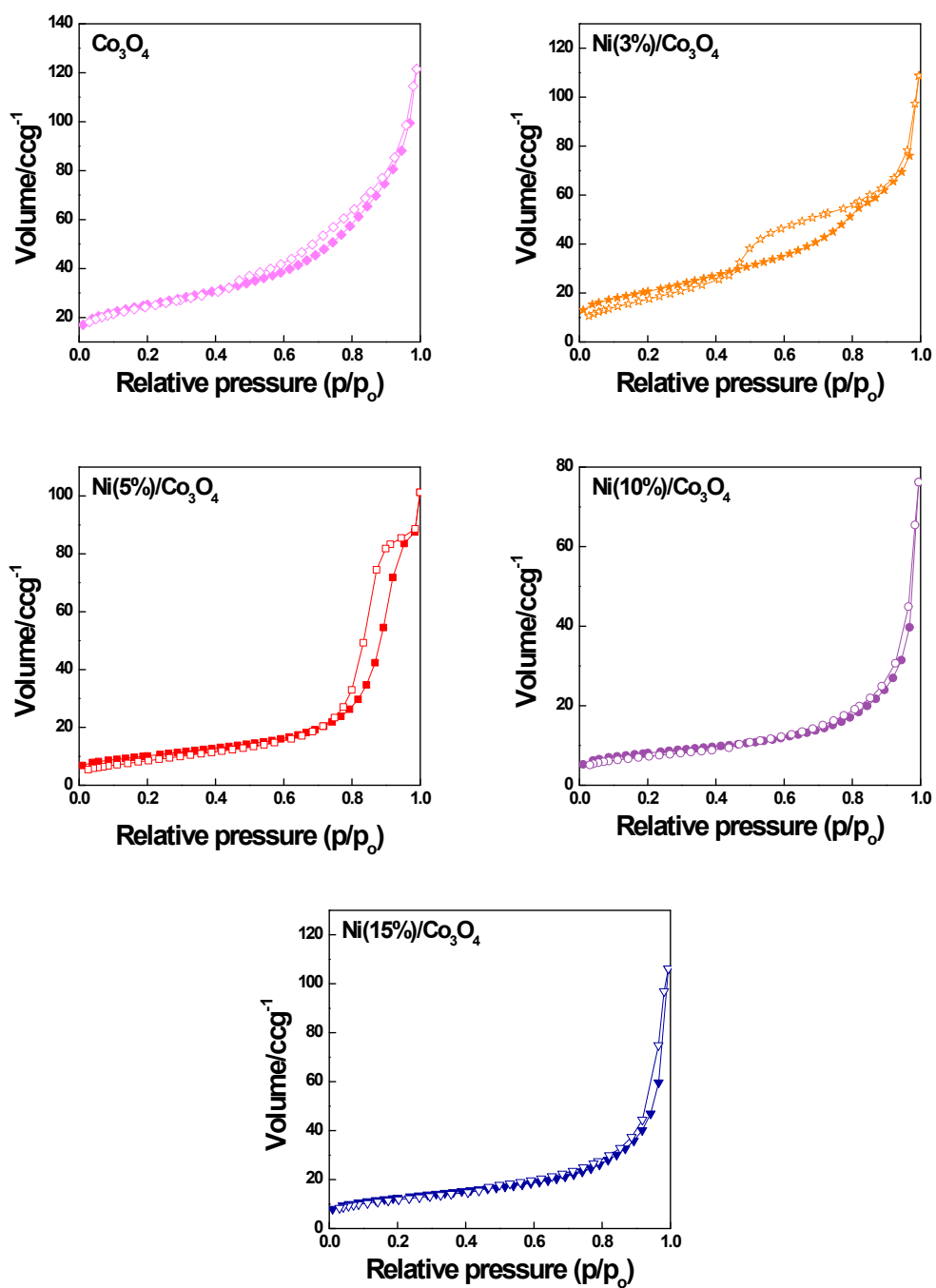


Fig. S2 isotherm plots of Ni(*x*%)/Co₃O₄ catalysts with varying Ni loading.

References

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2. A. Casanovas, M. Roig, C. De Leitenburg, A. Trovarelli and J. Llorca, *Int. J. Hydrogen Energy*, 2014, **21**, 539.