

Electronic Supplementary Information (ESI)

Figure captions:

Figure S1 X-ray diffraction pattern of the fresh 10Ni/Al₂O₃ catalyst.

Figure S2 (1) Nitrogen adsorption-desorption isotherms and **(2)** pore size distribution curves of the fresh and 50 h spent 10Ni/Al₂O₃ catalysts.

Figure S3 (1) H₂-TPR and **(2)** Ni 2p XPS profiles of the fresh 10Ni/Al₂O₃ catalyst.

Figure S4 Arrhenius plots for CO₂ reaction rate over OMA-10Ni_xMg catalysts.

Figure S5 TEM images of the 50 h spent 10Ni/Al₂O₃ catalyst.

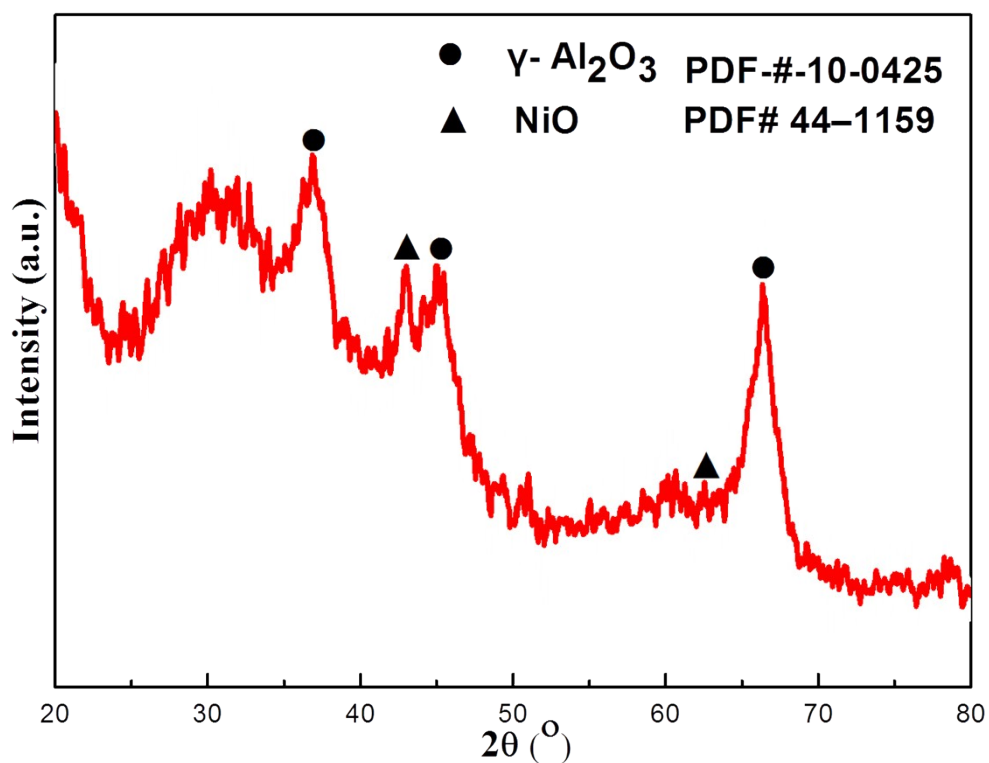


Figure S1

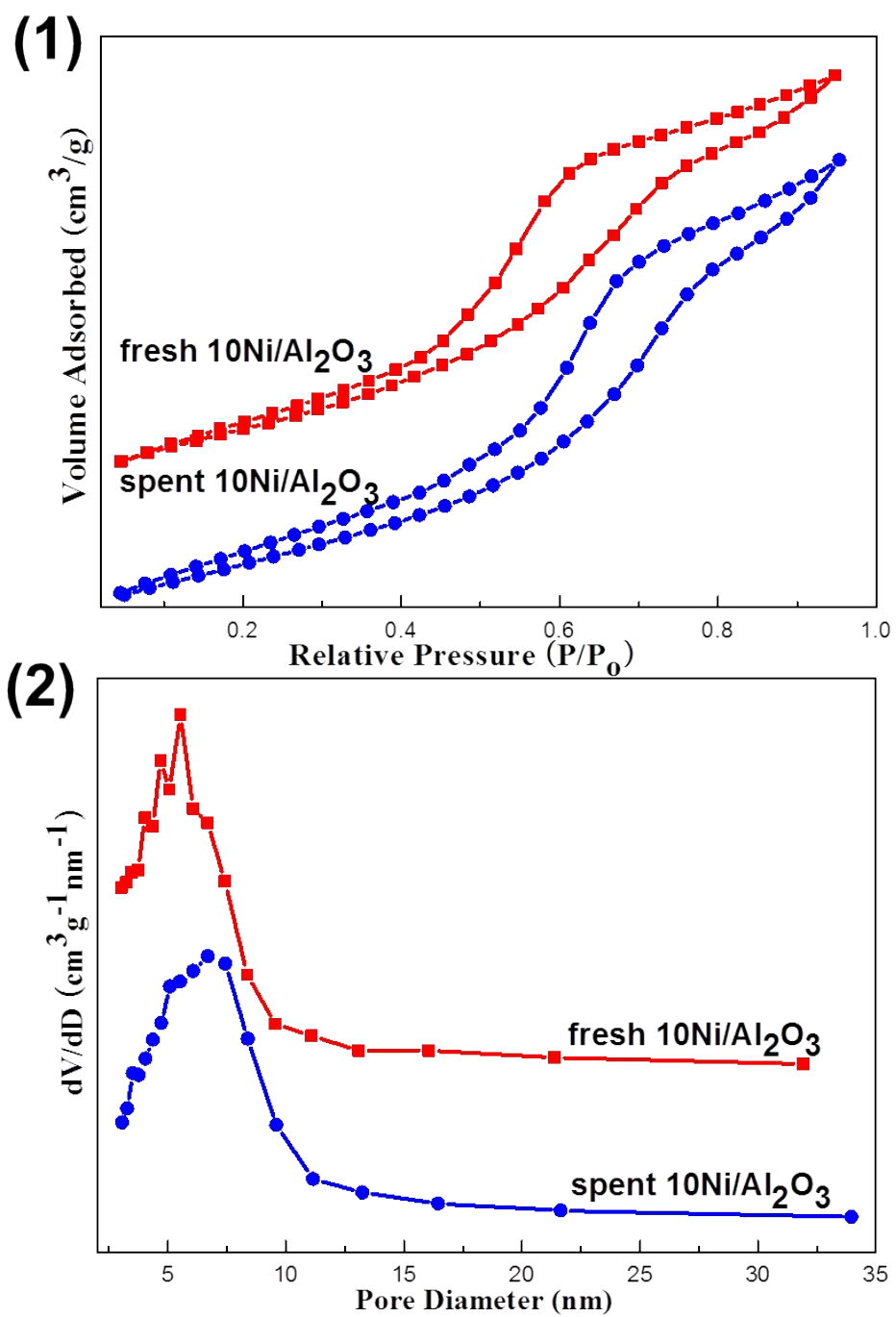


Figure S2

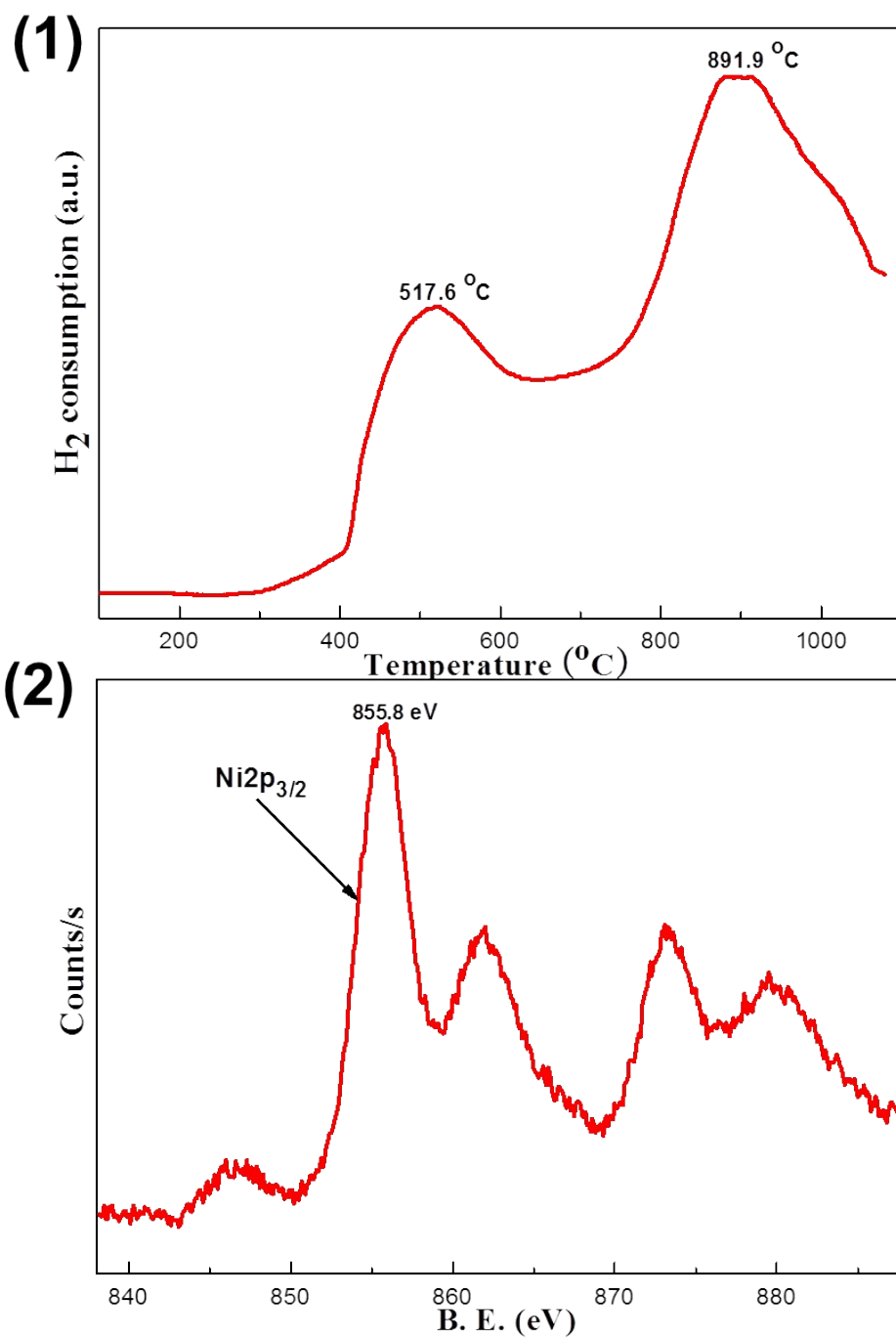


Figure S3

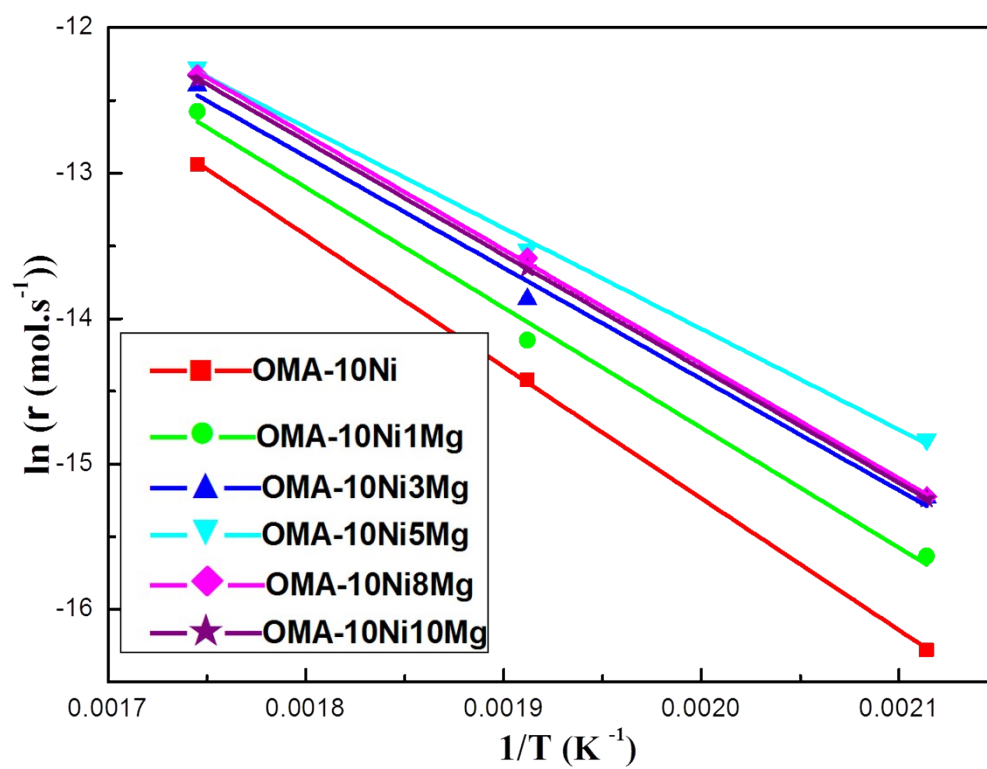


Figure S4

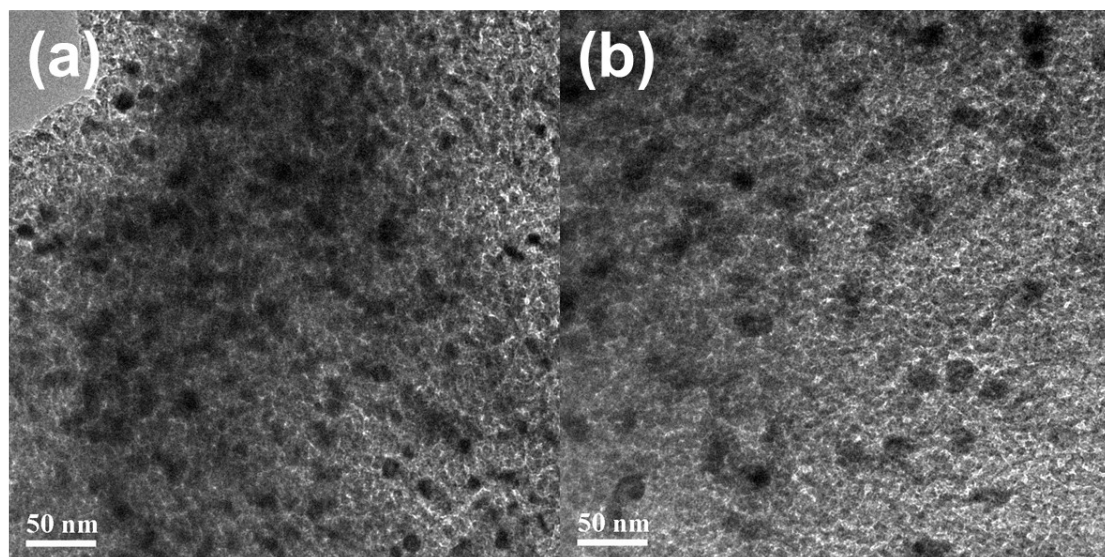


Figure S5