

Supplementary Information

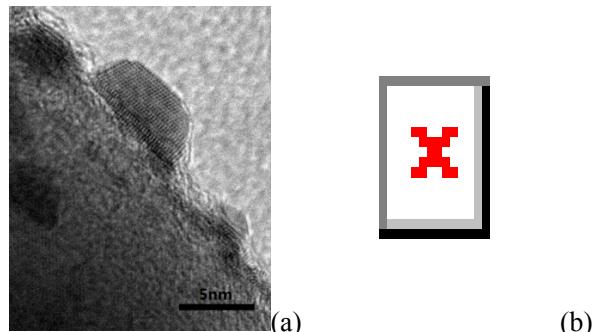


Fig. S1 HRTEM iamges of (a,b) used Au/c-Co₃O₄.

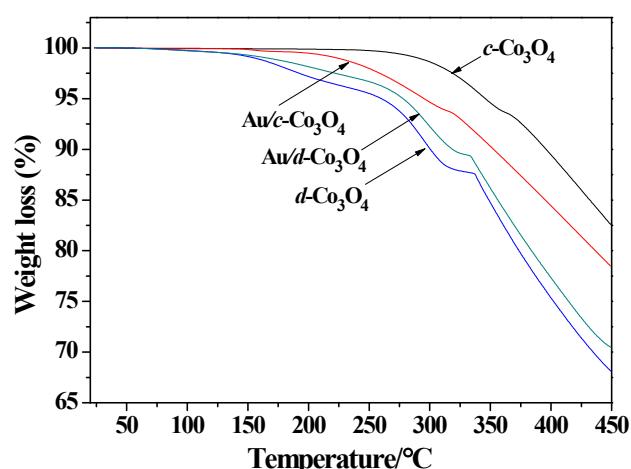


Fig. S2 TGA measurements over d-Co₃O₄, c-Co₃O₄, Au/d-Co₃O₄, and Au/c-Co₃O₄ in reducing atmosphere (5%H₂-Ar).

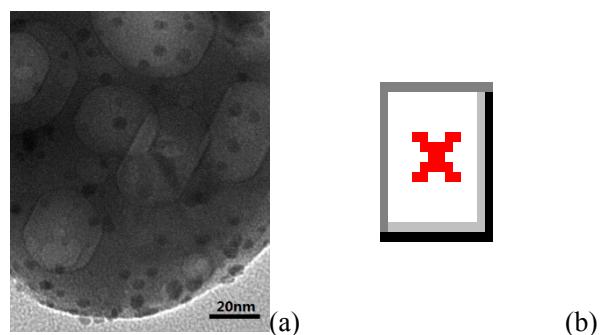


Fig. S3 TEM images of (a) Au/c-Co₃O₄ and (b) Au/d-Co₃O₄ after pre-reaction at 350 °C for 5 h.

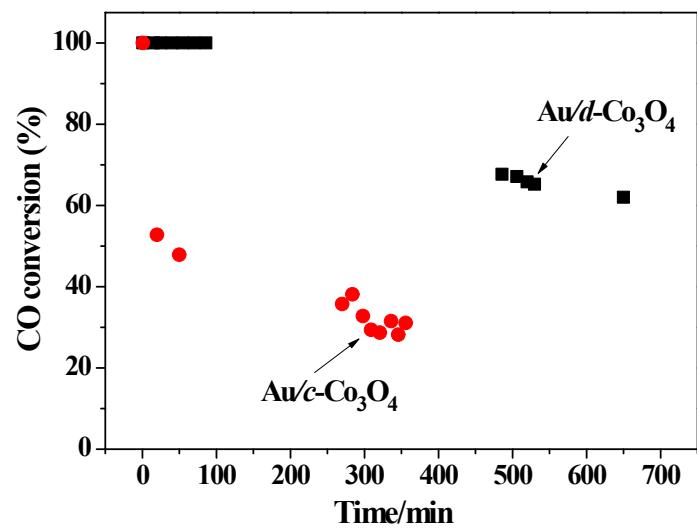


Fig. S4 Stability tests over Au/c-Co₃O₄ and Au/d-Co₃O₄ after pre-reaction at 350 °C for 5 h.