

Supporting Information

High Catalytic Activity for CO Oxidation of Co_3O_4

Nanoparticles in SiO_2 Nanocapsules

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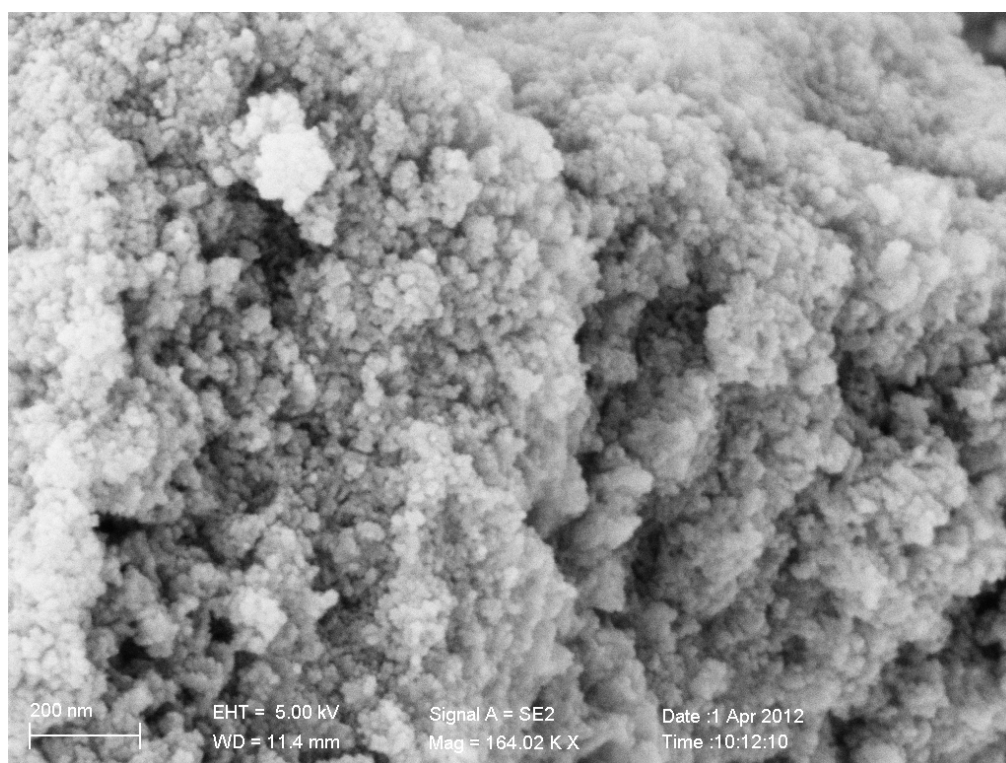


Figure S1 SEM images of Co_3O_4 nanocrystals without silica shell

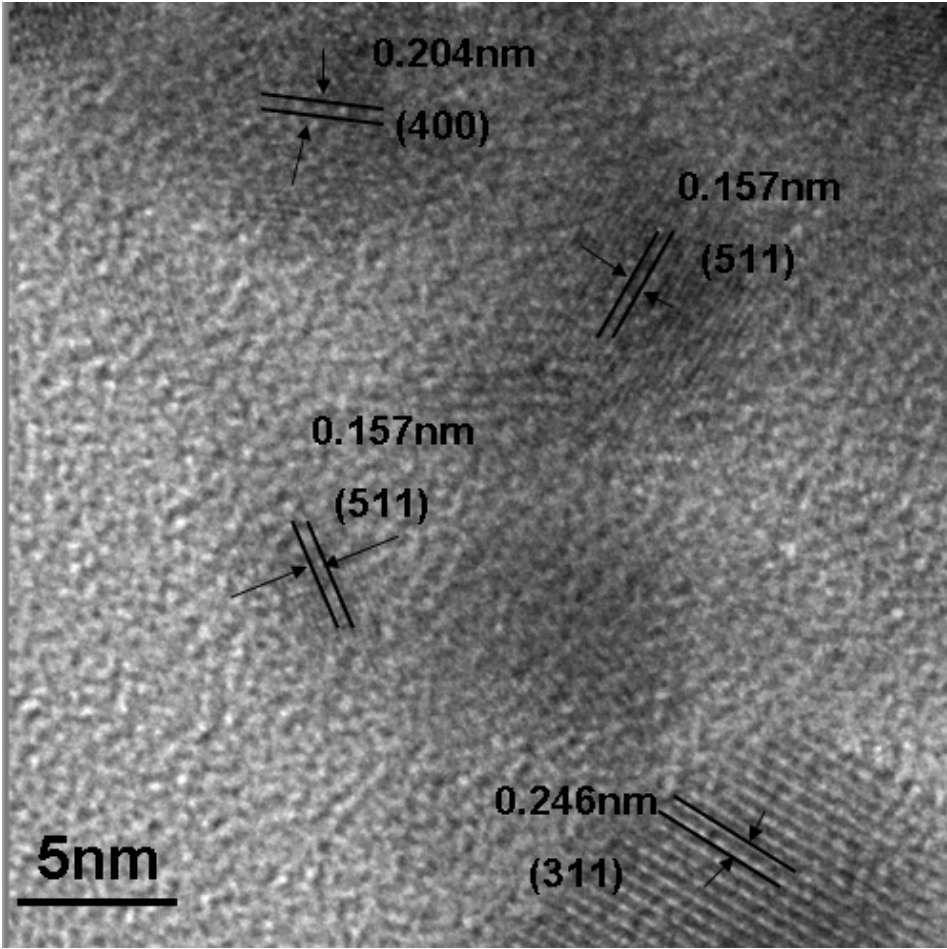


Figure S2 HRTEM images of Co_3O_4 nanocrystals without silica shell

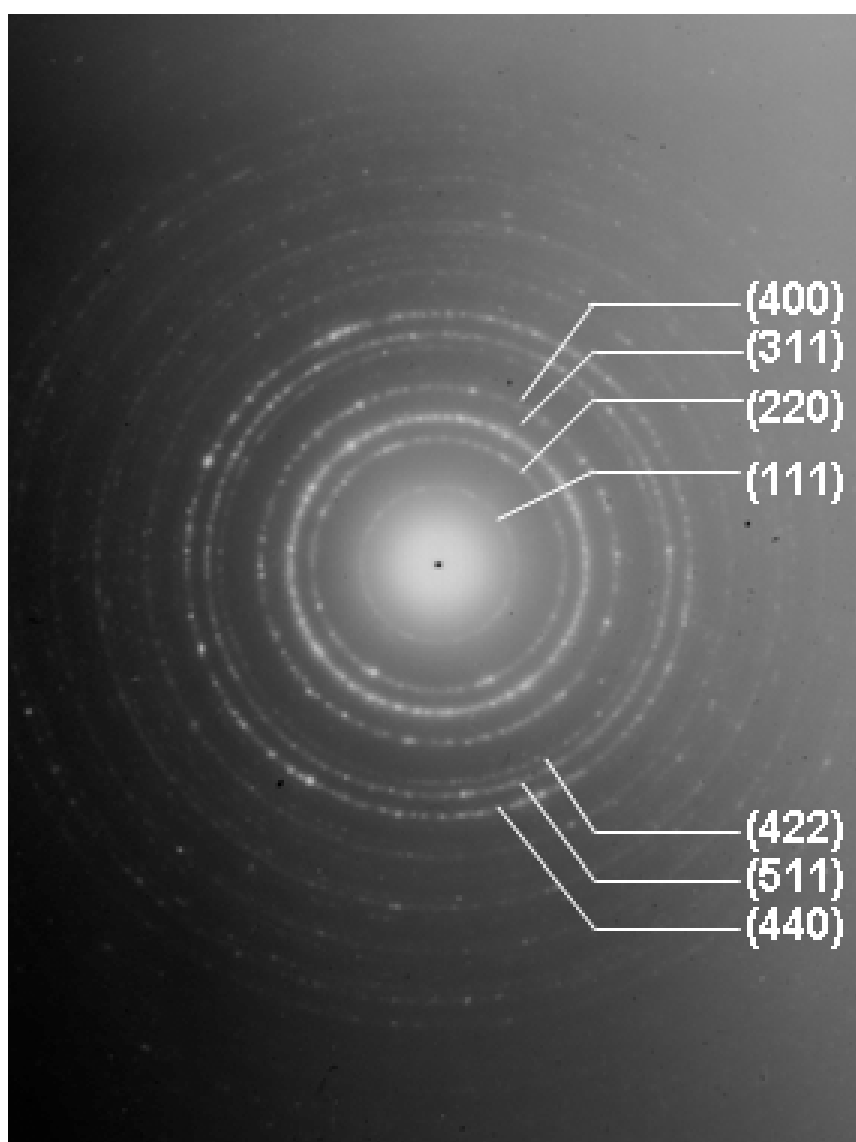


Figure S3 ED pattern of Co_3O_4 nanocrystals without silica shell

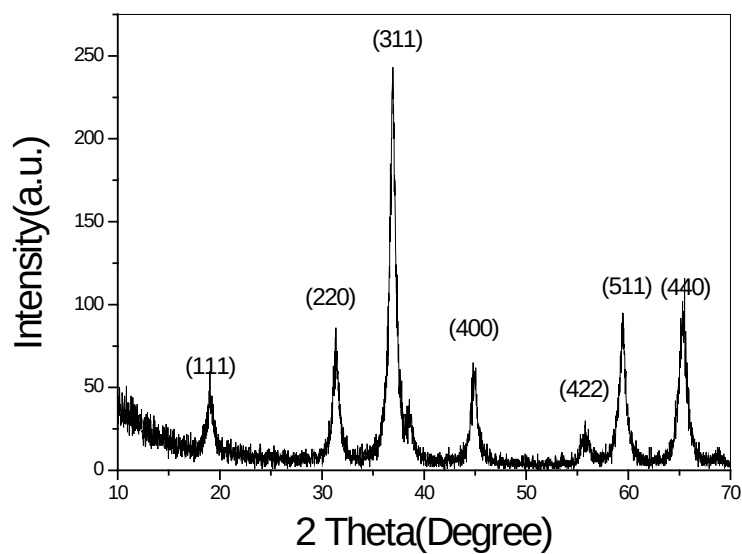


Figure S4 XRD pattern of Co_3O_4 nanocrystals without silica shell

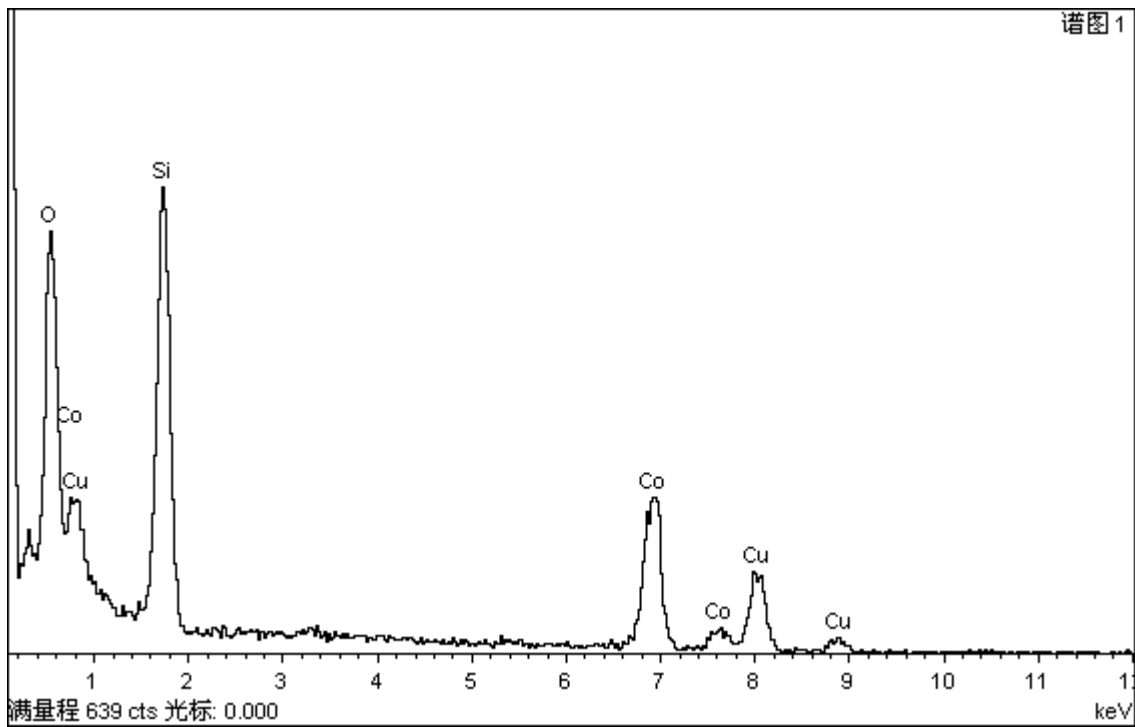


Figure S5 Energy-dispersive spectrum of single $\text{Co}_3\text{O}_4@\text{SiO}_2$ nanorattle

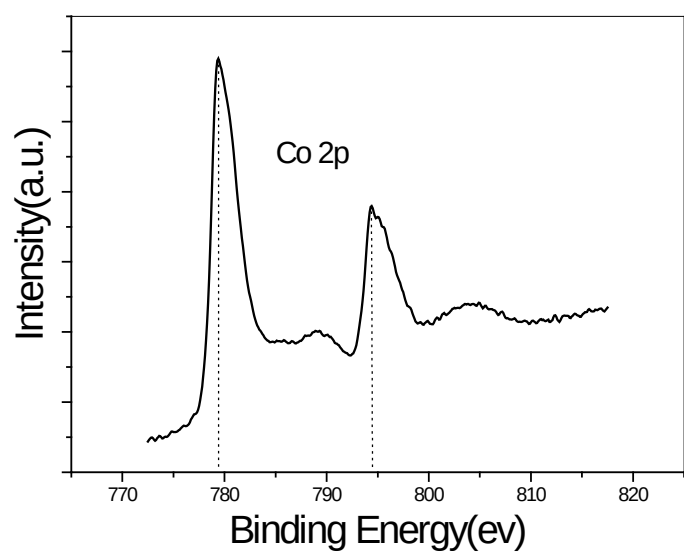


Figure S6 XPS survey spectra of Co 2p of Co_3O_4 nanocrystals without silica shell

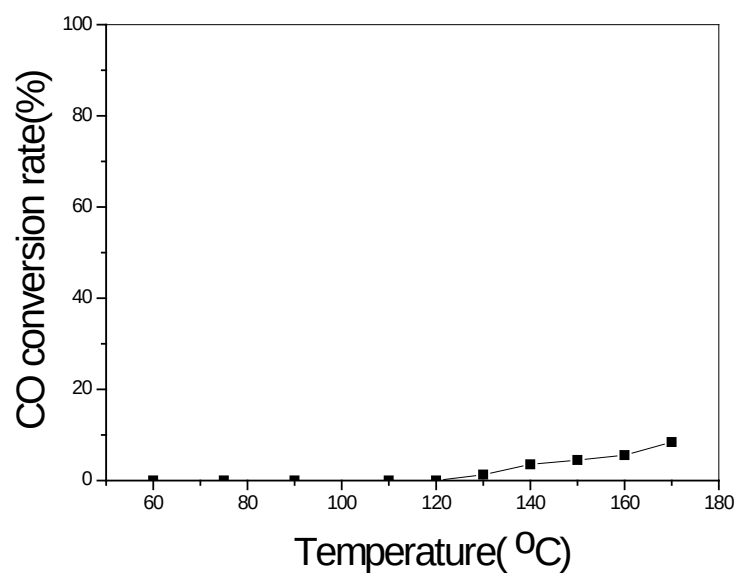


Figure S7 Conversion as a function of temperature for CO oxidation over Co_3O_4 nanoparticles without silica shell