

Electronic Supporting Information (ESI)

Dendrite-like Co_3O_4 nanostructure and its applications in sensors, supercapacitors and catalysis

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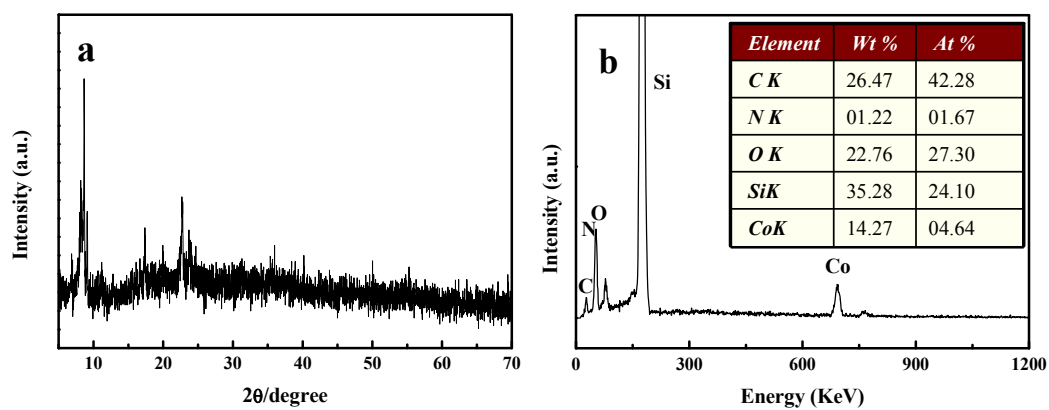


Fig. S1 (a) XRD pattern and (b) EDS pattern of the nanostructured metal-organic precursor.

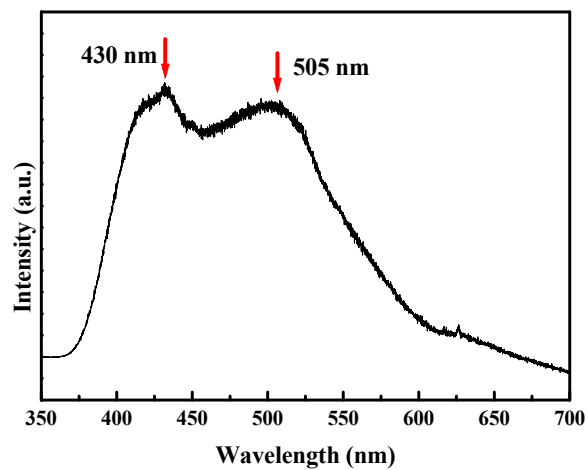


Fig. S2 Room-temperature PL spectrum of the nanostructured metal-organic precursor.

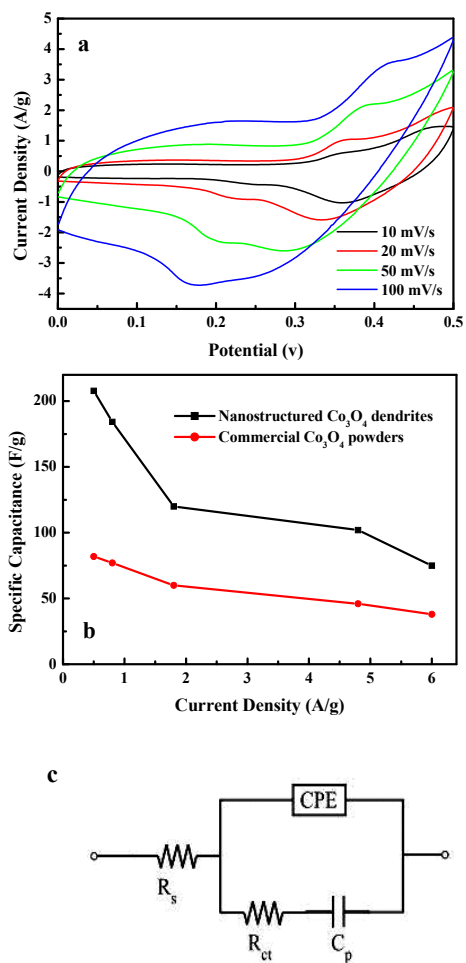


Fig. S3 (a) CV curves of the Co₃O₄ dendrite-electrode in KOH solution (3 M) at different scan rates; (b) The specific capacitances derived from the discharging curves at different discharge rates; (c) Equivalent circuit for the simulation of the impedance spectra shown in Figure 4d.

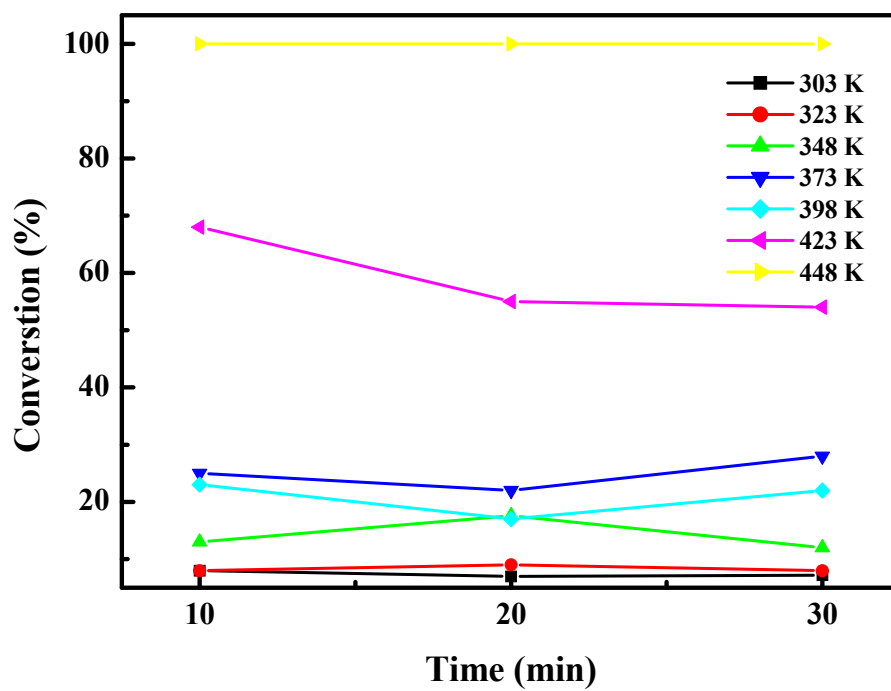


Fig. S4 CO conversion efficiencies of the commercial Co_3O_4 powders at different temperatures.