

Supplementary Information for

**NiO hierarchical structure: template-engaged synthesis and
adsorption property**

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CAPTIONS:

Fig. S1 EDX pattern of the NiO product.

Fig. S2 TEM images of the porous hierarchical NiO.

Fig. S3 XRD patterns of samples obtained under time-dependent experiments

Fig. S4 FE-SEM images of porous hierarchical NiO and the twice-born sample.

Fig. S5 UV-vis spectra of acid fuchsine solution in the present of NiO sample and the twice-born sample

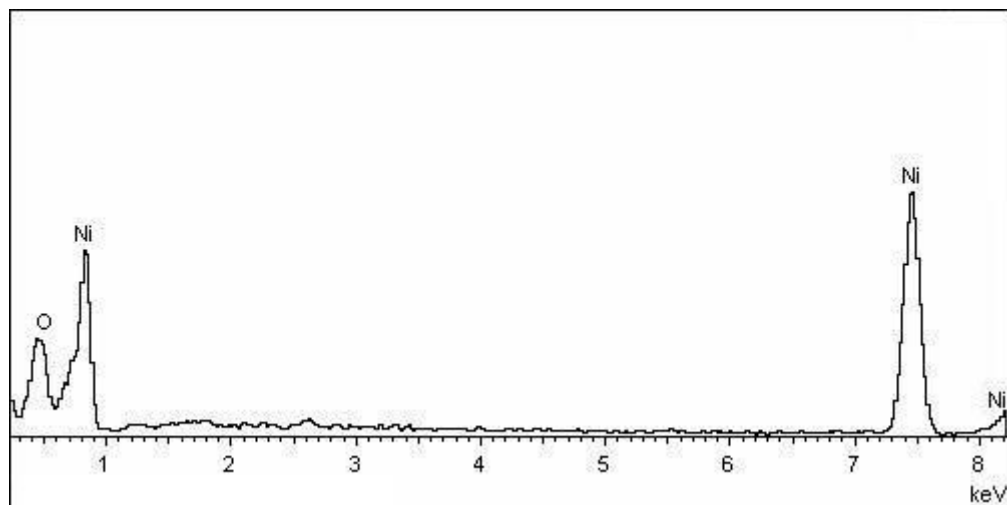


Fig. S1 EDX pattern of the NiO product.

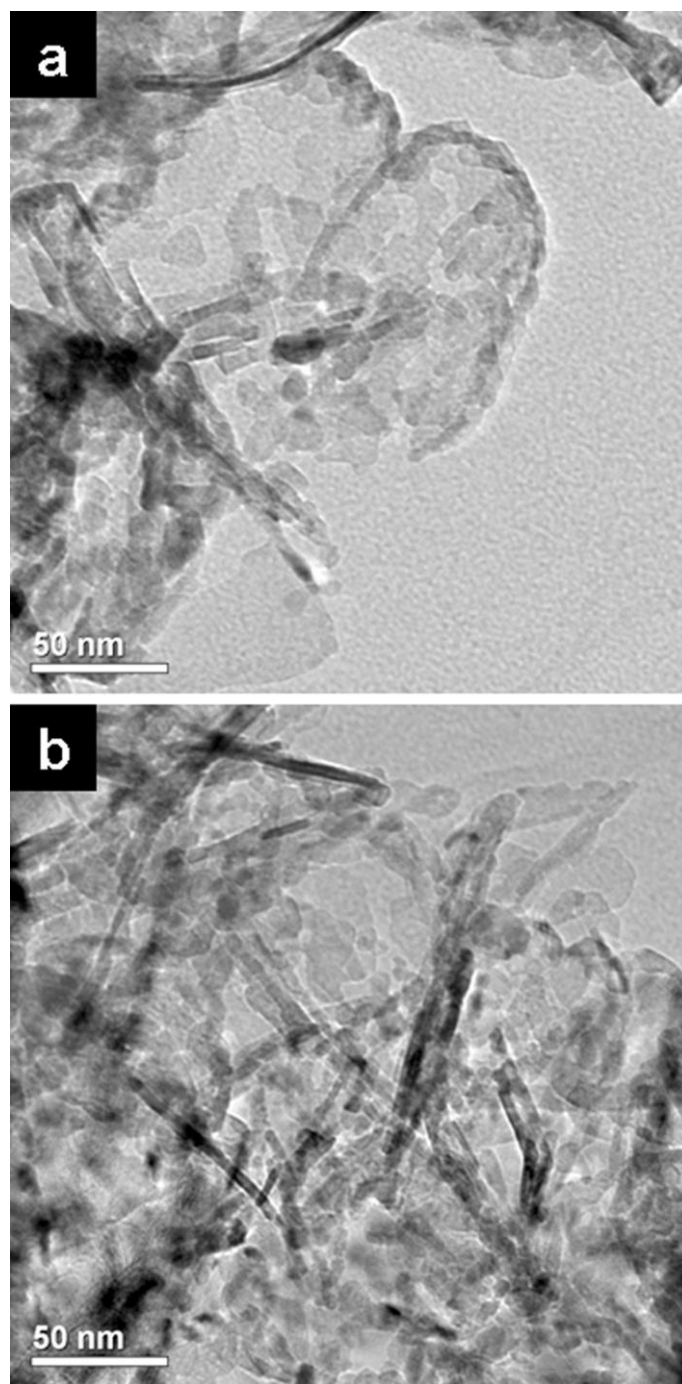


Fig.S2 TEM images of the porous hierarchical NiO.

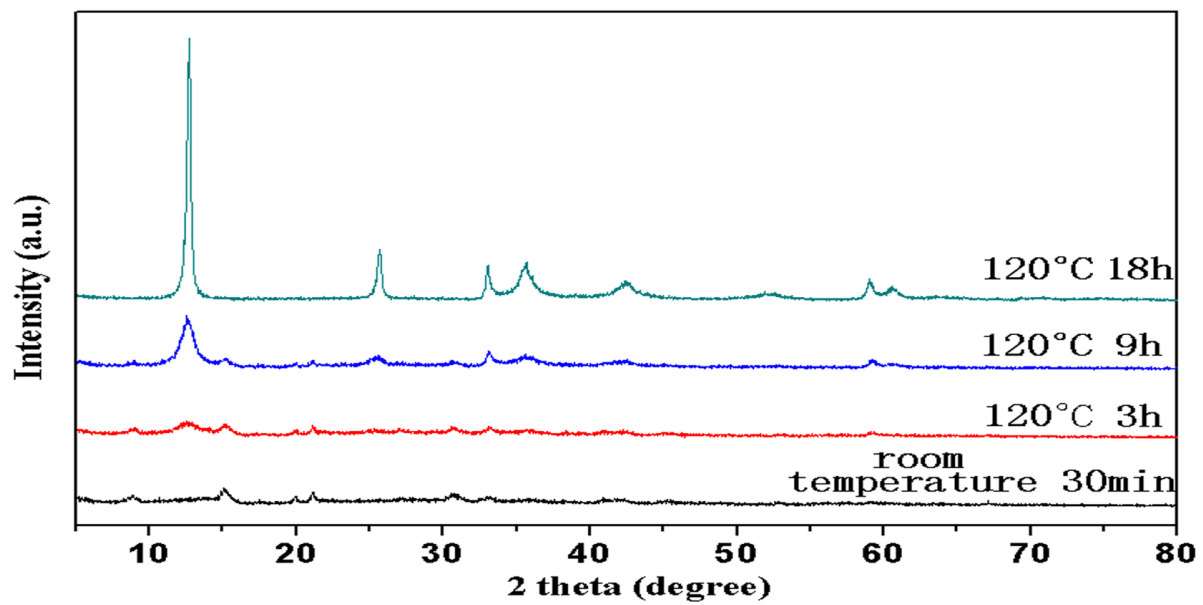


Fig. S3 XRD patterns of samples obtained under time-dependent experiments

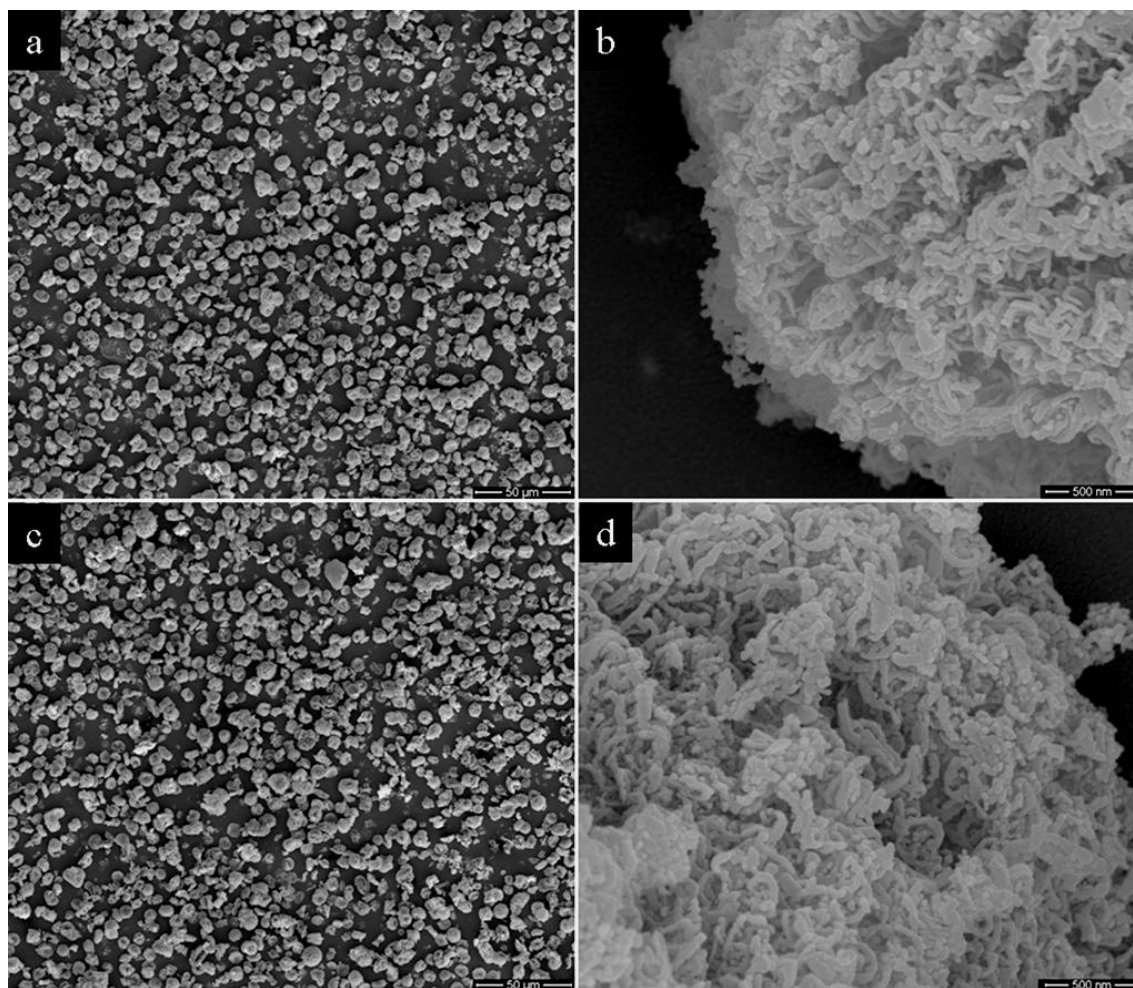


Fig. S4 Overview FE-SEM images of porous hierarchical NiO (a) and the twice-born one(c); Magnified FE-SEM images of porous hierarchical NiO (b) and the twice-born sample(d).

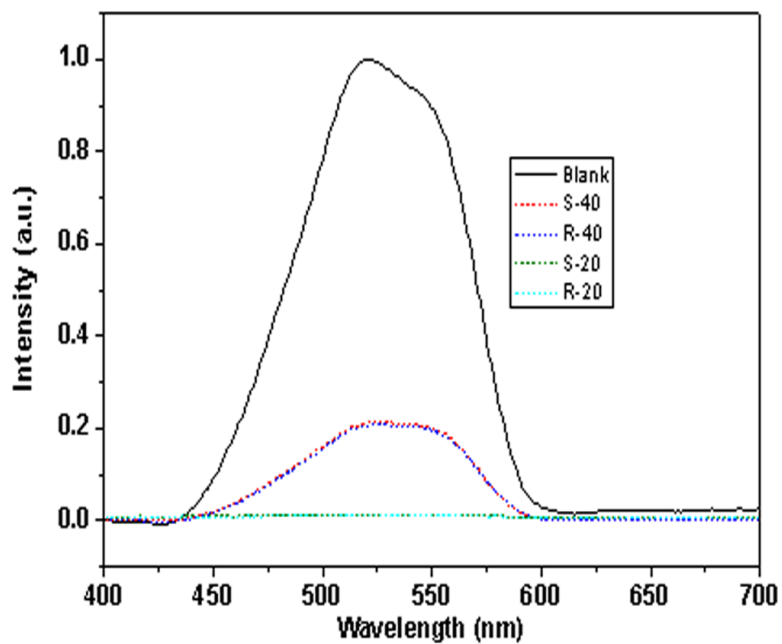


Fig. S5 UV-vis spectra of acid fuchsine solution in the presence of NiO sample and the twice-born sample after 30 min at the initial acid fuchsine concentrations of 20 and 40 mg/L, respectively.