

## Supporting Information

### **Porous NiCo<sub>2</sub>O<sub>4</sub> Nanorods as Efficient Catalysts for UV-Assisted Reduction of p-Nitrophenol**

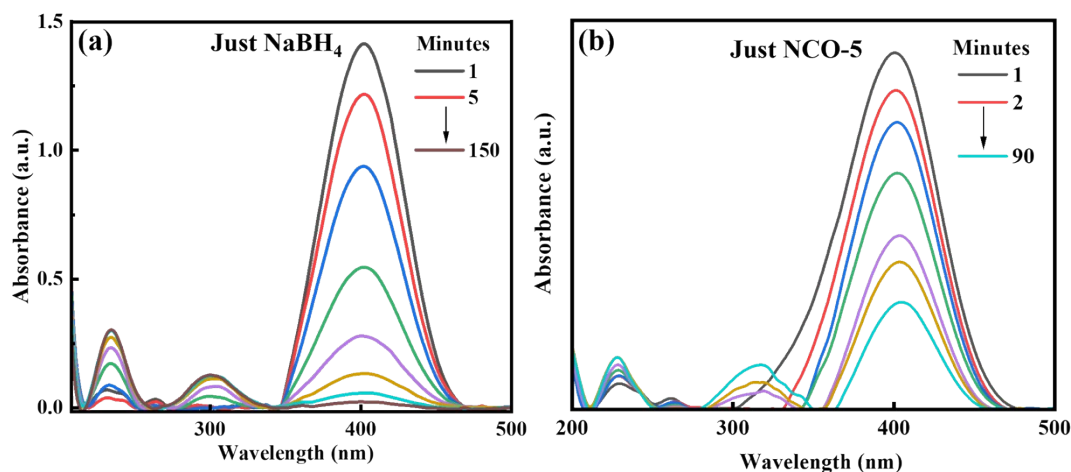
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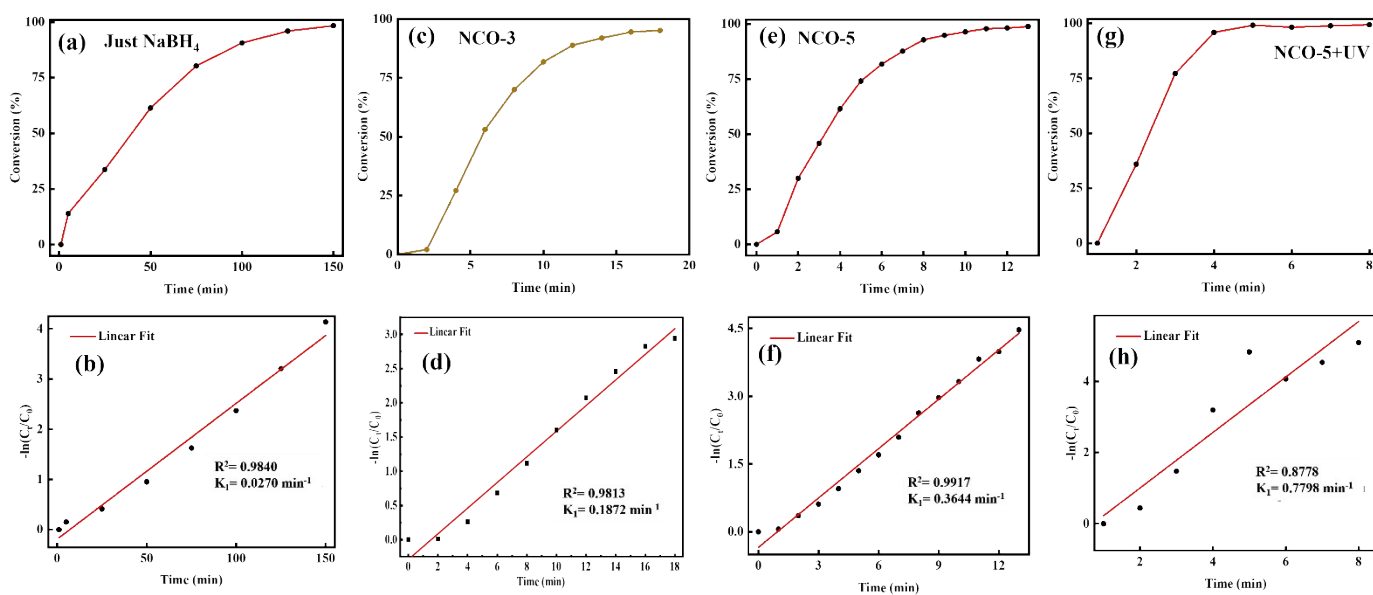
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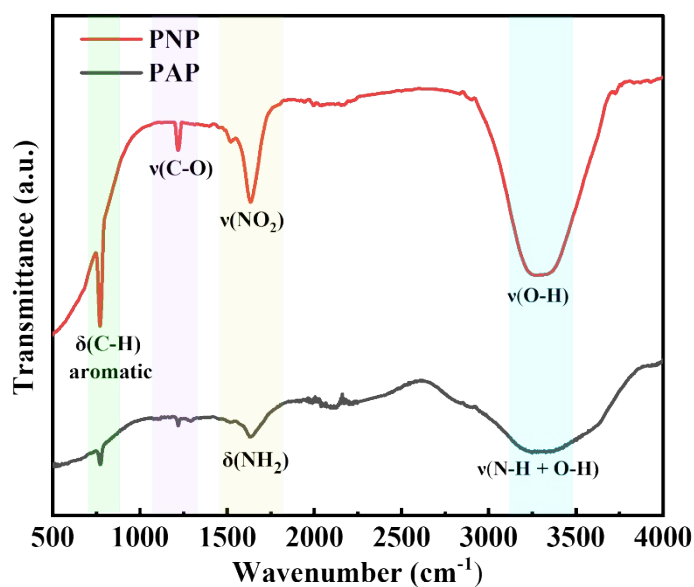
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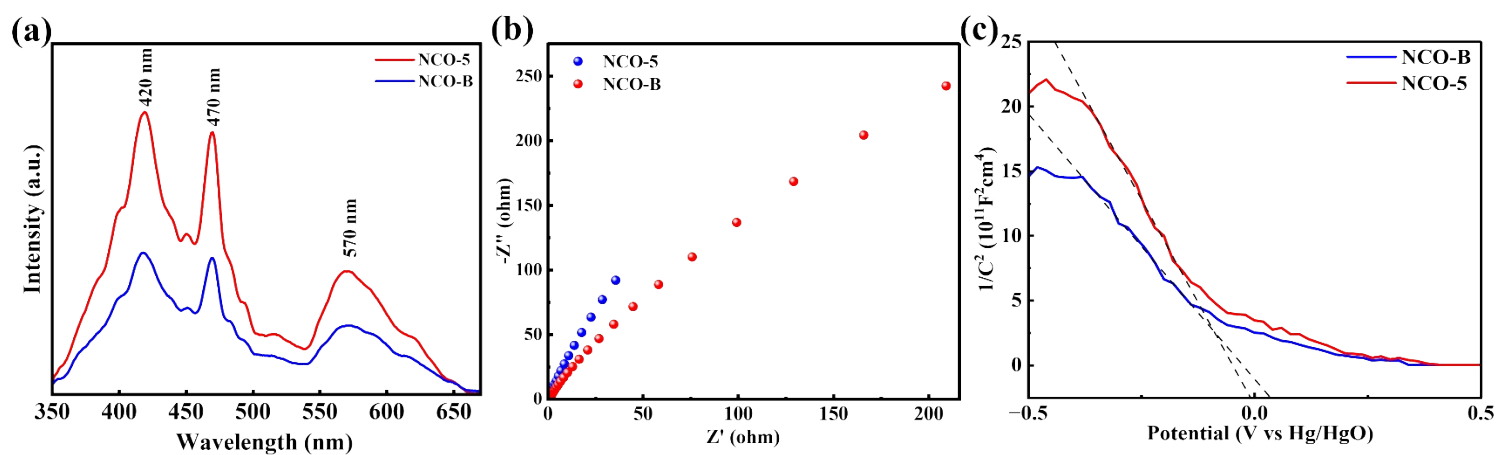
**Fig. S1.** UV-Vis spectral evolution of PNP reduction in the presence of (a) just NaBH<sub>4</sub> and (b) just NCO-5 NPs under UV illumination



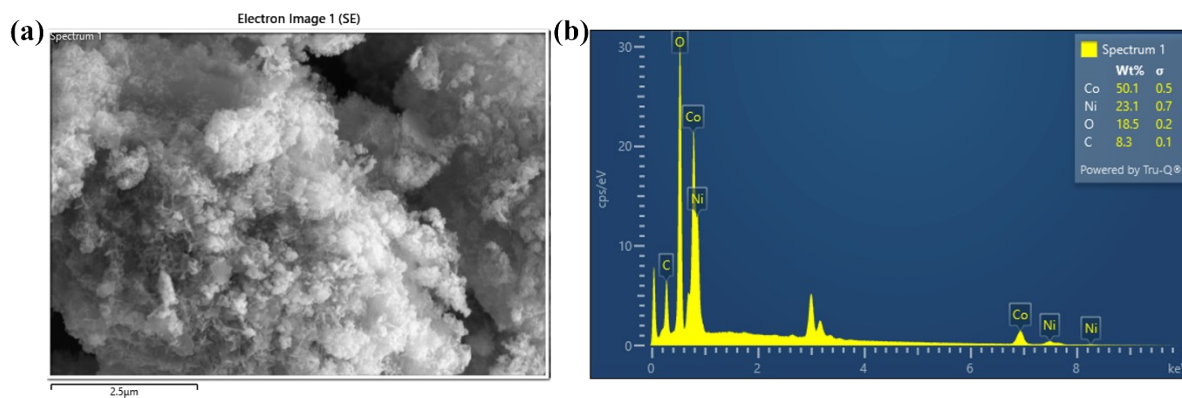
**Fig. S2.** Conversion percentage plot under various conditions and  $\ln(C_t/C_0)$  vs time graph for conversion in presence of NaBH<sub>4</sub> and (a,b) no catalyst, (c,d) NCO-3, (e,f) NCO-5 and (g,h) NCO-5 under UV illumination.



**Fig. S3.** FTIR of catalytic reaction solution before and after reduction of PNP.



**Fig. S4.** (a) Photoluminescence spectra of NCO-B and NCO-5 samples; (b) electrochemical impedance spectroscopy (EIS) Nyquist plots of NCO-B and NCO-5 catalysts; (c) Mott-Schottky plots of NCO-B and NCO-5 samples recorded in 6 M KOH electrolyte.



**Fig. S5.** FESEM electron image and corresponding EDS spectra of the recycled NCO-5 catalyst after 5 cycles.