

Electronic Supplementary Information

**Preparation and characterization of Cu-rare earth/Al₂O₃ catalysts and their
application for electrochemical removal of p-nitrophenol**

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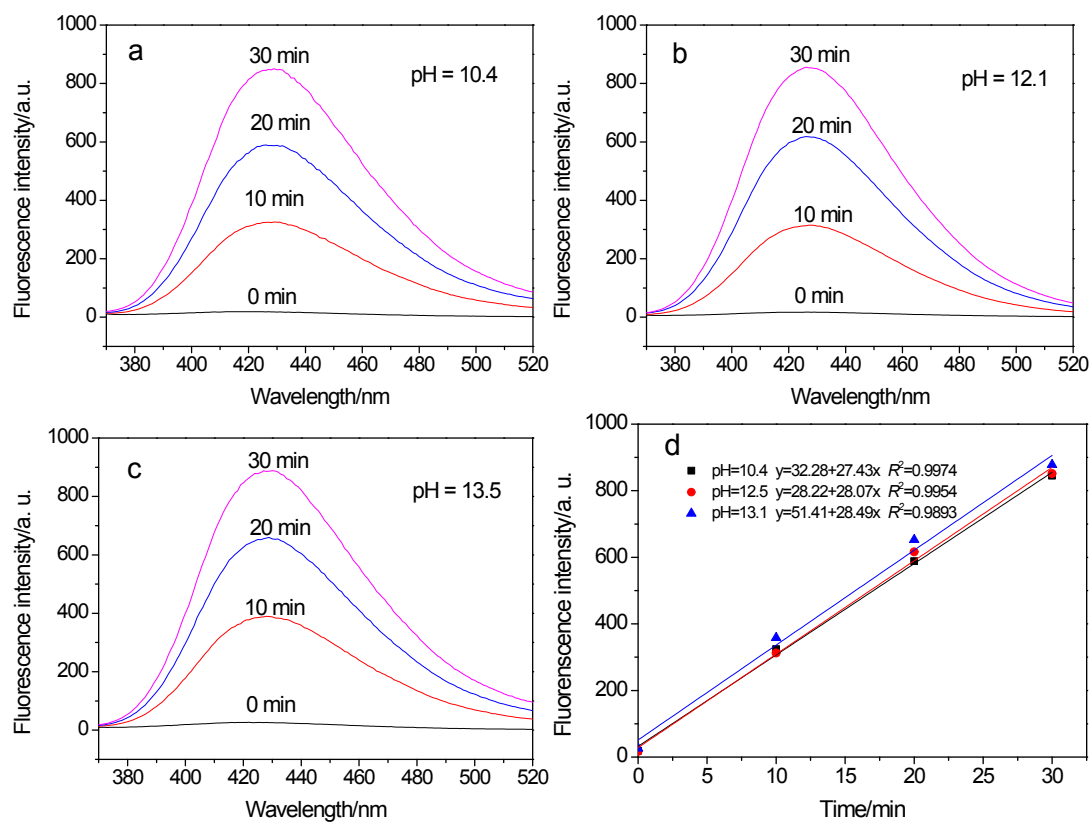


Fig. S1 Fluorescence spectra of HA for diferent pH of 10.4 (a), 12.1 (b) and 13.5 (c), and plots of fluorescence intensity against time (d).

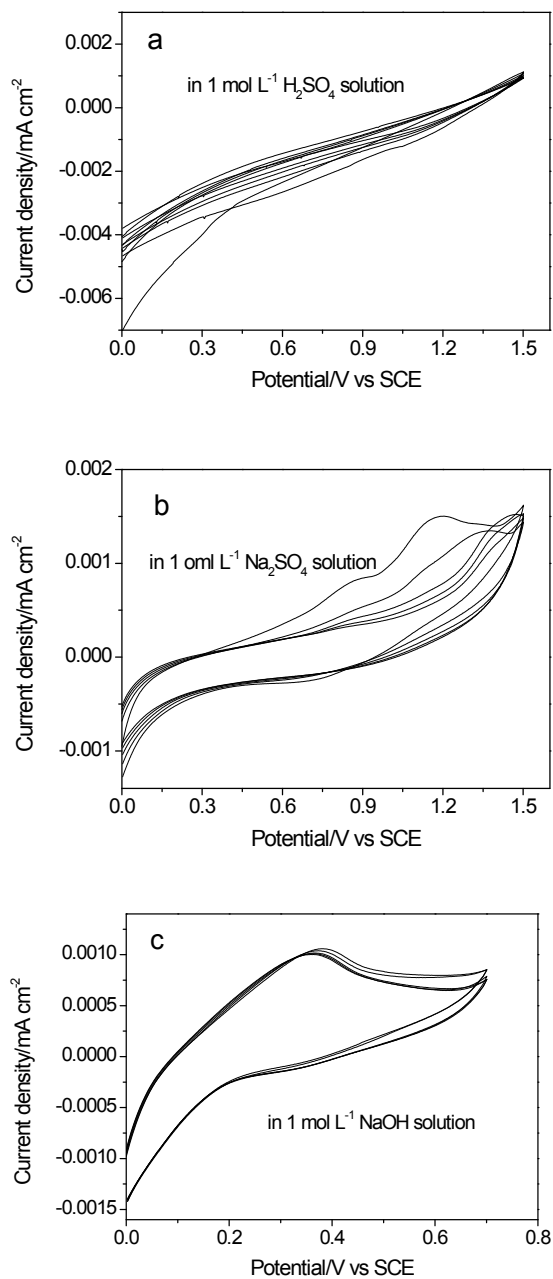


Fig. S2. Cyclic voltammograms (5 cycles) of *p*-NP in 1 mol L⁻¹ H₂SO₄, Na₂SO₄, and NaOH solutions with 500 mg L⁻¹ *p*-NP on PbO₂ electrode. Scan rate: 50 mV s⁻¹.