

**Highly Sensitive electrochemical sensor for simultaneous determination of
dihydroxybenzene isomers based on Co doped SnO₂ nanoparticles**

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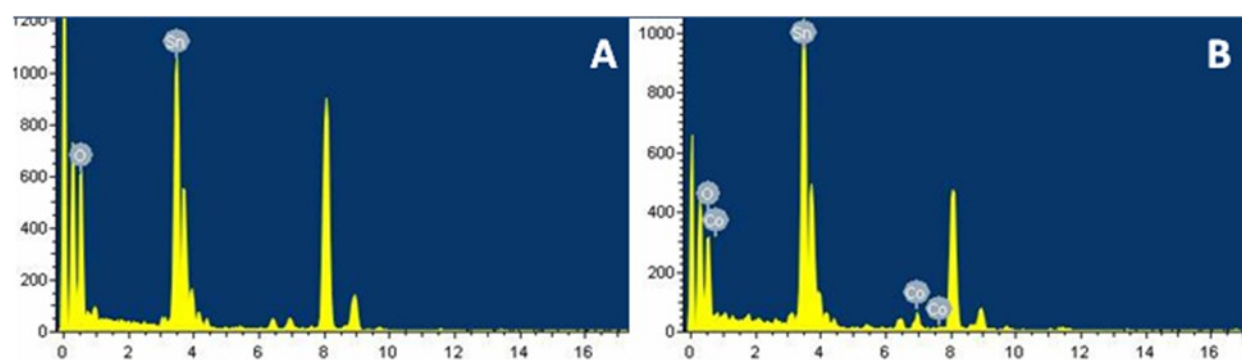


Fig.S1 EDAX spectra of (A) pristine and (B) 3wt% Co doped SnO₂ nanoparticles

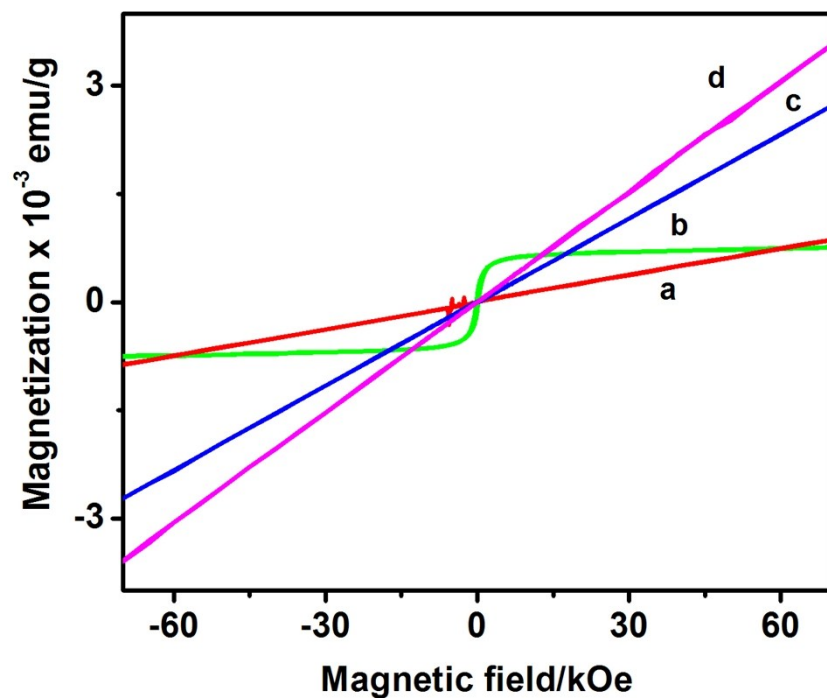


Fig. S2. Magnetization (M) vs. magnetic field (H) curves obtained for (a) 1wt%, (b) 3wt% (c) 5wt% and (d) 10wt% of Co doped SnO_2 NPs.

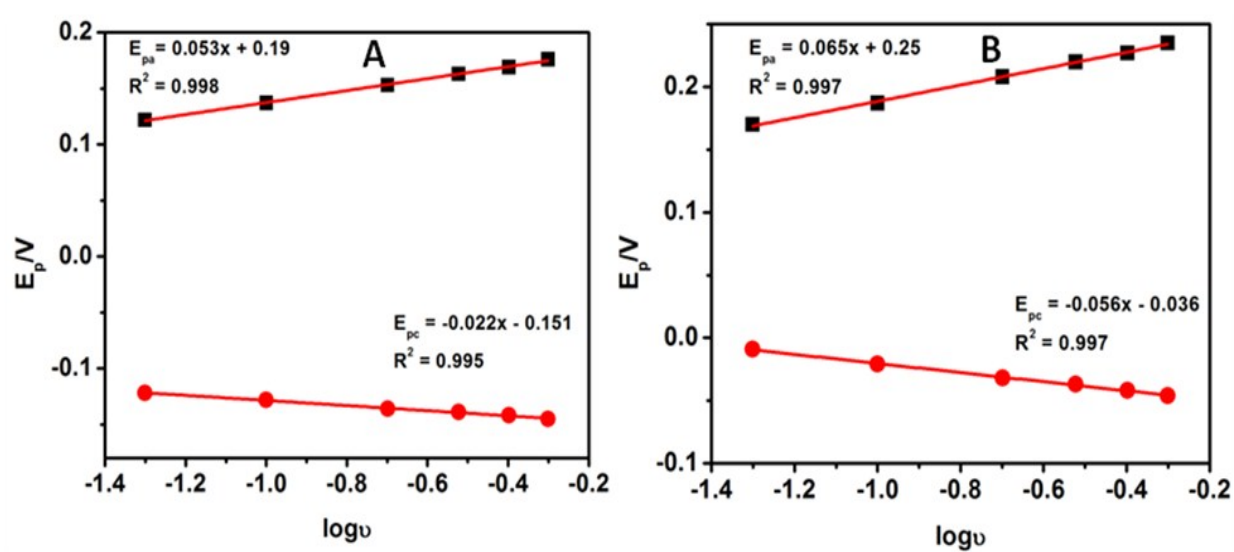


Fig. S3 Plots of oxidation and reduction peak current vs logirathm of the scan rate (0.05 -0.5 V/s).

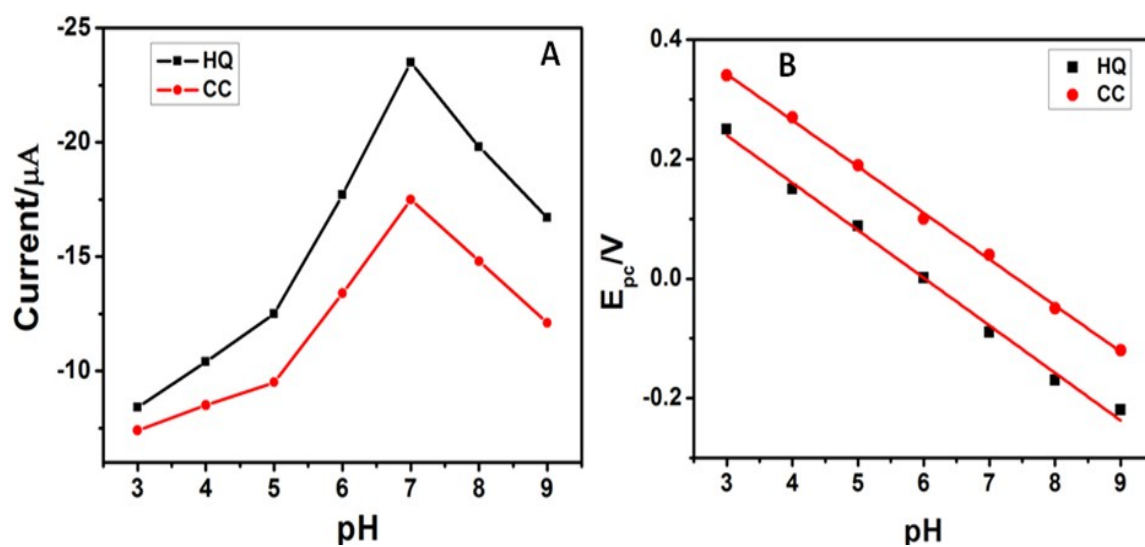


Fig. S4 Effect of pH on (A) SWV peak currents and (B) peak potentials for the oxidation of 500 μM HQ and 100 μM CC in 0.1 M PBS.

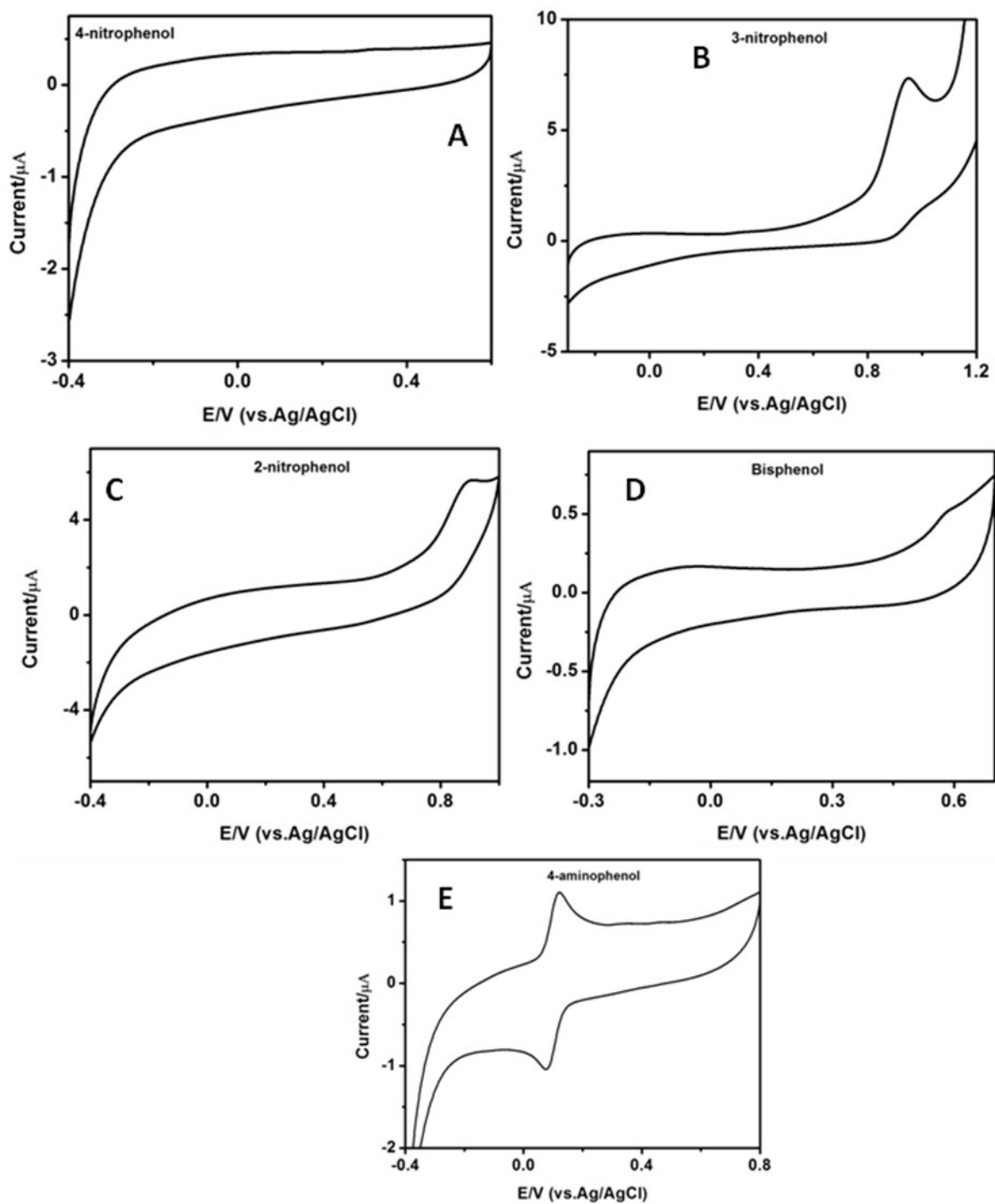


Fig.S5 shows CV obtained for (A) 4-nitrophenol, (B) 3-nitrophenol, (C) 2-nitrophenol, (D) bisphenol and (E) 4-aminophenol at Co-SnO₂/GCE.