

**Electronic Supplementary Information (ESI) for Dalton Transactions.
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**Introduction of $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ into Co_3O_4 for Enhancement of Hydroxyl
Radicals and Effective Charges Separation**

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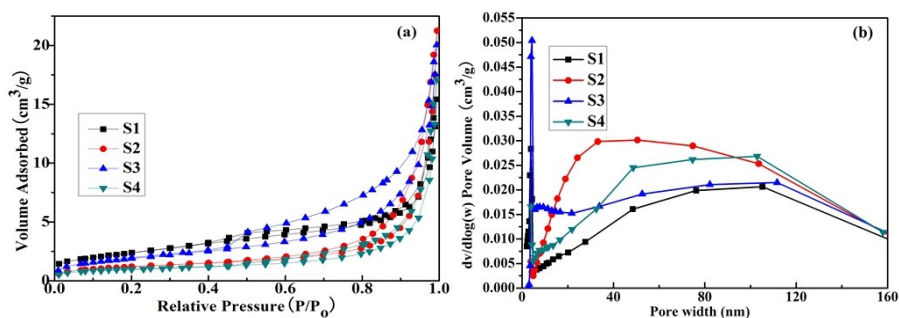


Fig. S1. N₂ adsorption-desorption curves of the obtained samples: (a) adsorption-desorption isotherms; (b) BJH pore size distribution calculated with the desorption data.

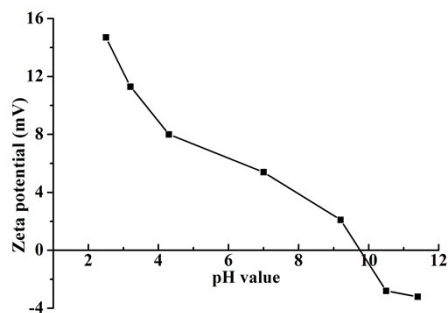


Fig.S2. Zeta potentials sample S3 at different pH values.

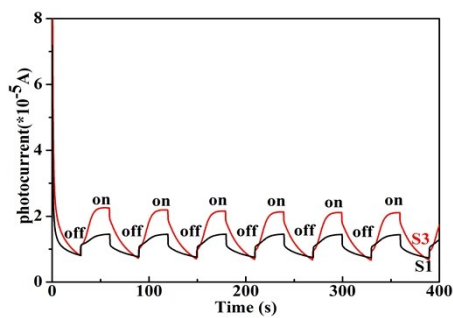


Fig. S3. Transient photocurrent responses of S1 and S3 electrodes.