

Supporting Information

Enhanced Cr (VI) removal by hierarchical $\text{CoFe}_2\text{O}_4@\text{SiO}_2\text{-NH}_2$ via reduction and electrostatic adsorption effect

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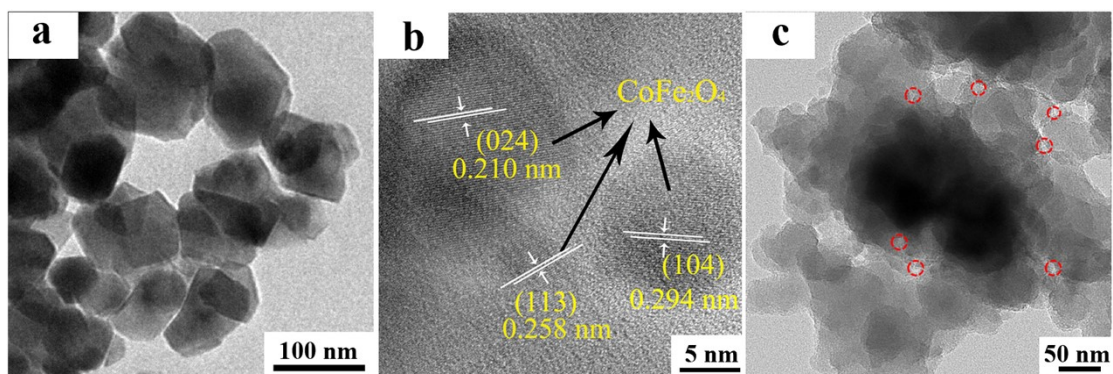


Fig. S1. a, HRTEM of CoFe_2O_4 ; b and c, HRTEM of $\text{CoFe}_2\text{O}_4@\text{SiO}_2\text{-NH}_2$.

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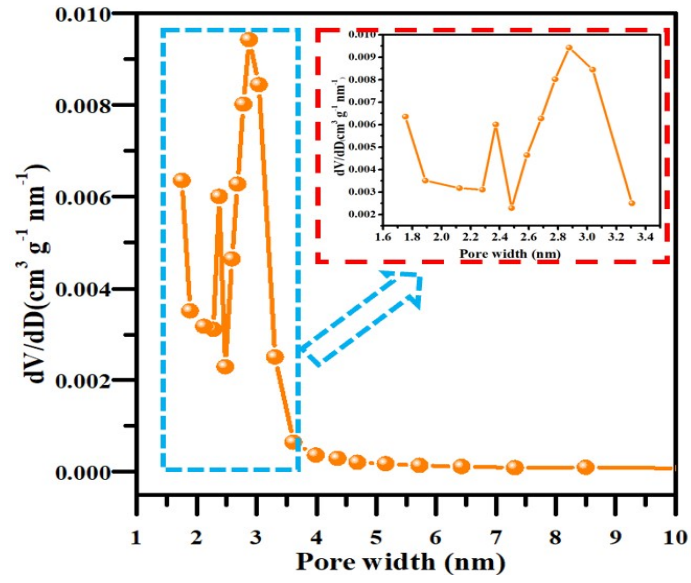


Fig. S2. Pore size distribution of $\text{CoFe}_2\text{O}_4@\text{SiO}_2\text{-NH}_2$ adsorbent.

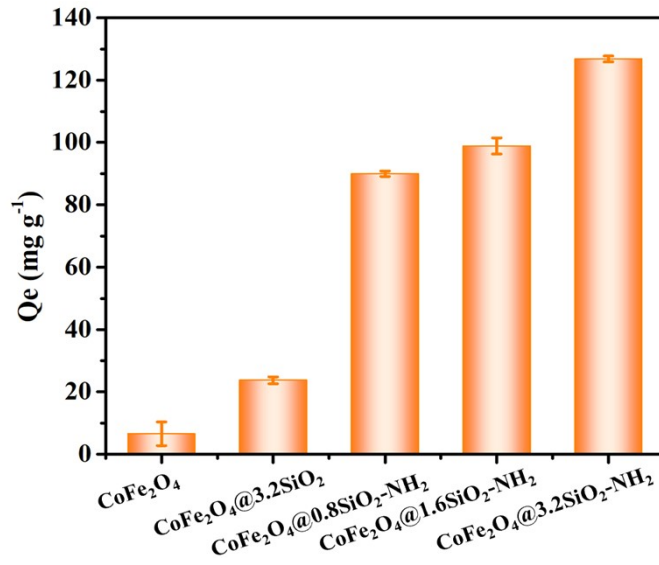


Fig. S3. Comparison in adsorption capacity of adsorbents with different TEOS contents.

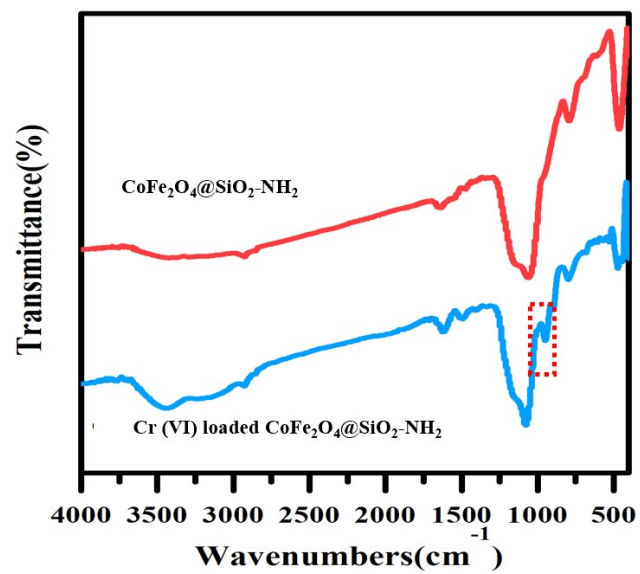


Fig. S4. FT-IR spectrum of adsorbents before and after Cr (VI) adsorption

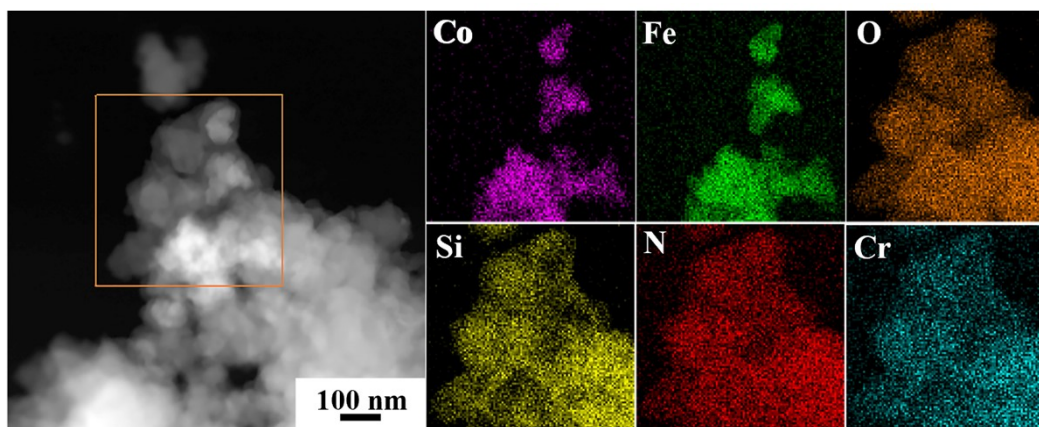


Fig. S5. the EDS mapping of Cr (VI) loaded $\text{CoFe}_2\text{O}_4@\text{SiO}_2\text{-NH}_2$.

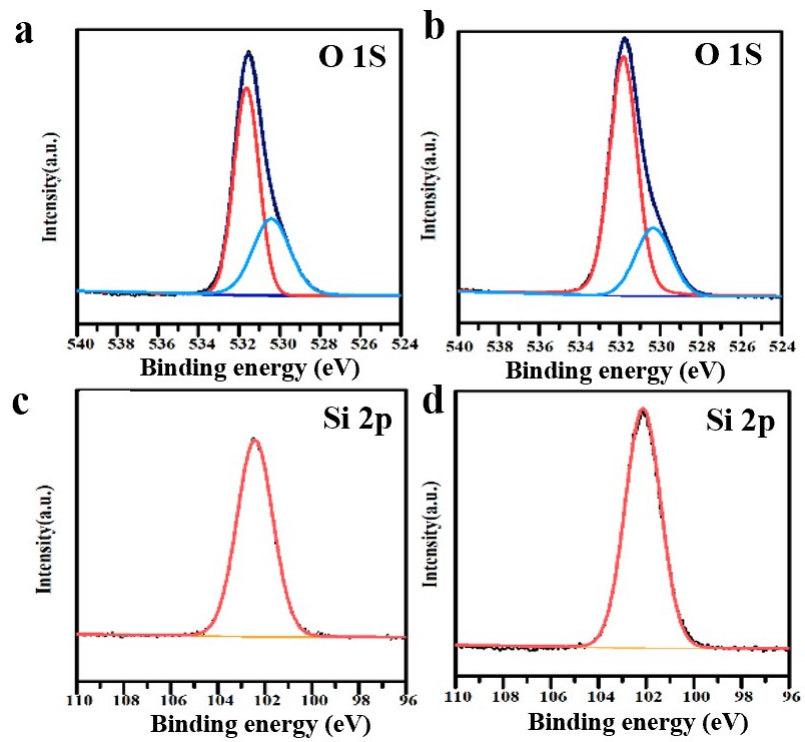


Fig. S6. a and b, O 1s before and after Cr (VI) adsorption; c, c and d, Si 2p before and after Cr (VI) adsorption.