

SUPPORTING INFORMATION (SI)

Effect of amount of acetone on the adsorption

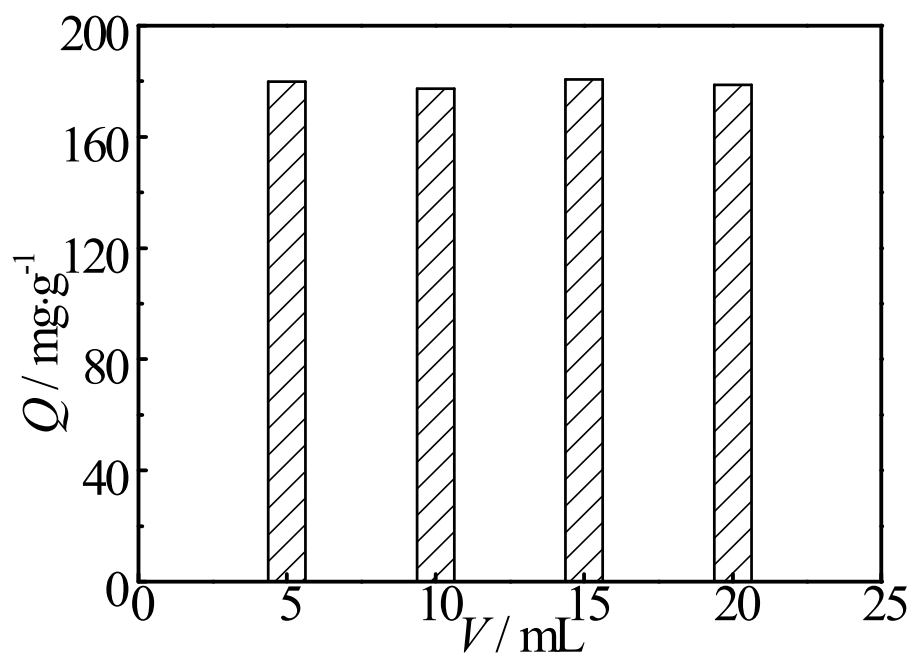


Fig. S1 Effect of amount of acetone on the adsorption (Sample volume: 100mL, Cr(VI) concentration: 200 mg/L, pH=2.5, $T=25^{\circ}\text{C}$)

Plots for pseudo-first-order kinetic (a) and pseudo-second-order kinetic (b) models

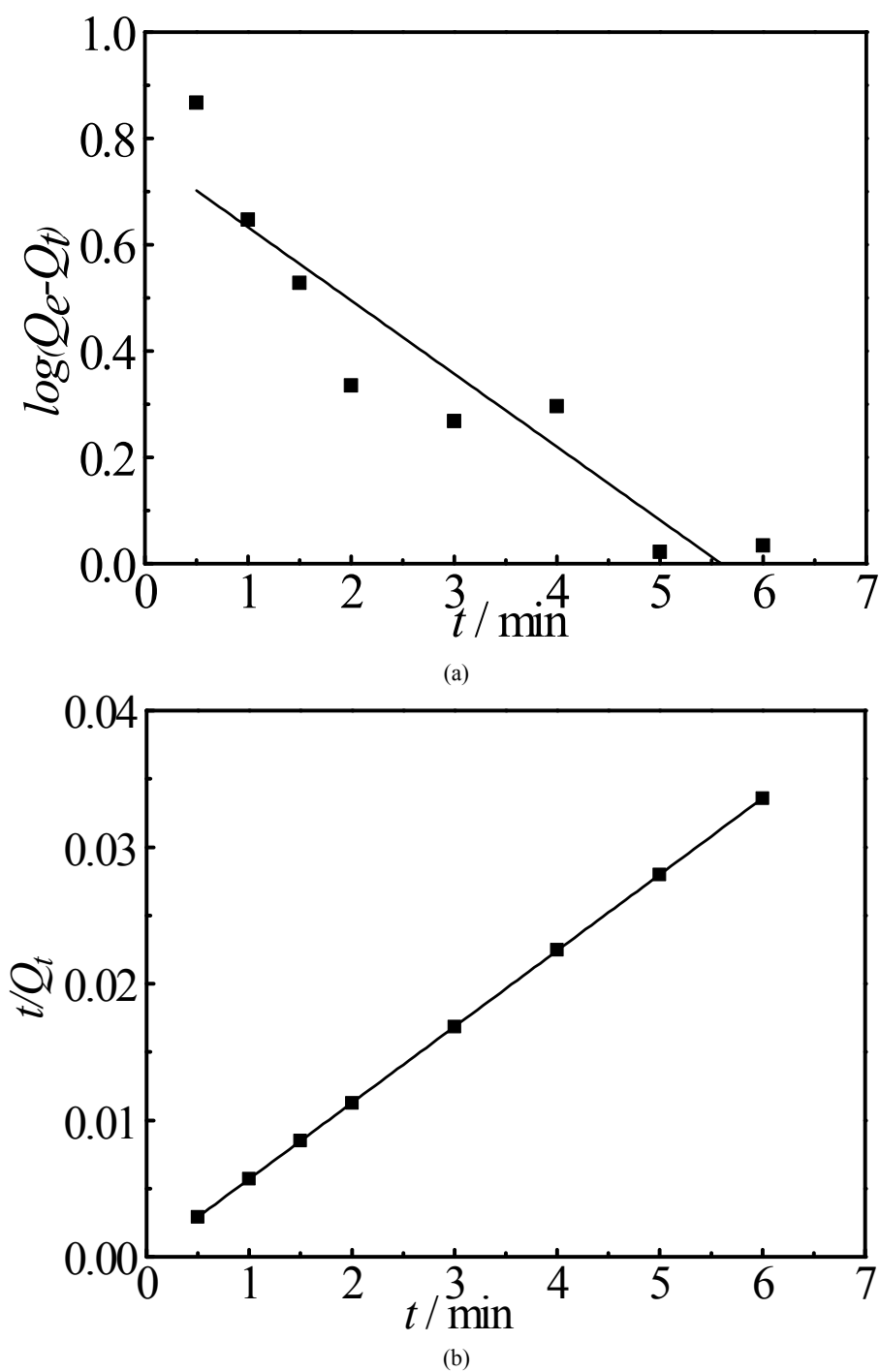
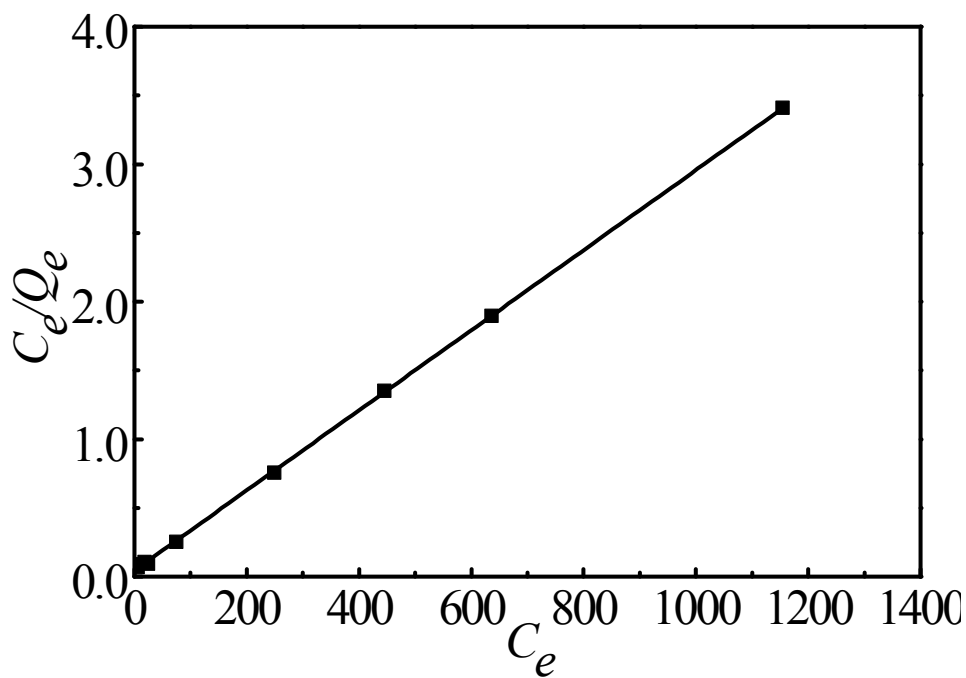
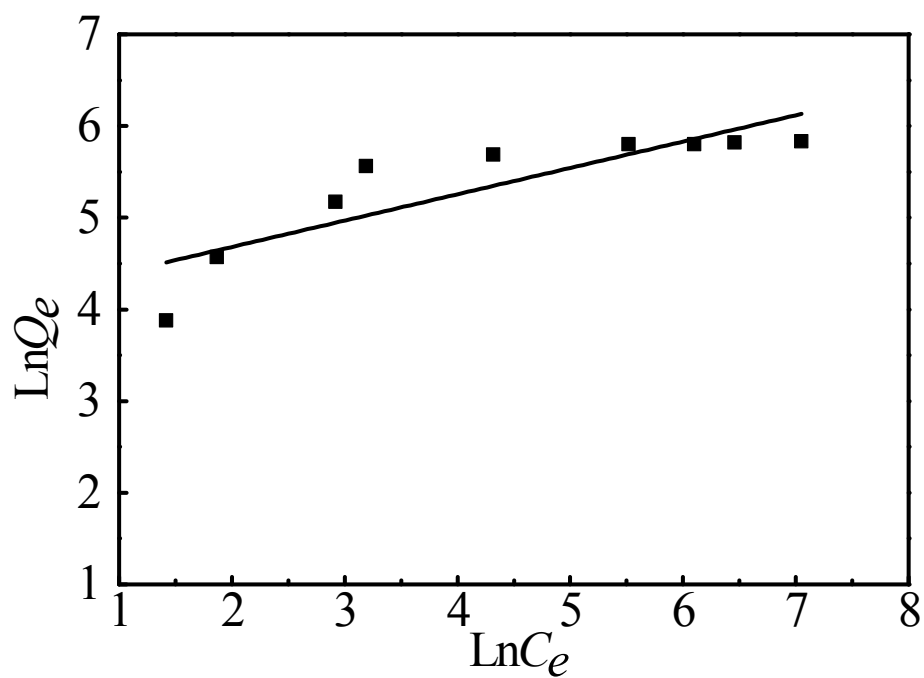


Fig.S2 Plots for pseudo-first-order kinetic (a) and pseudo-second-order kinetic (b) models

Simulation for adsorption of Cr(VI)-IIP using Langmuir model (a) and Freundlich model (b)



(a)



(b)

Fig.S3 Simulation for adsorption of Cr(VI)-IIP using Langmuir model (a) and Freundlich model (b)

Stability of Cr(VI)-IIPs

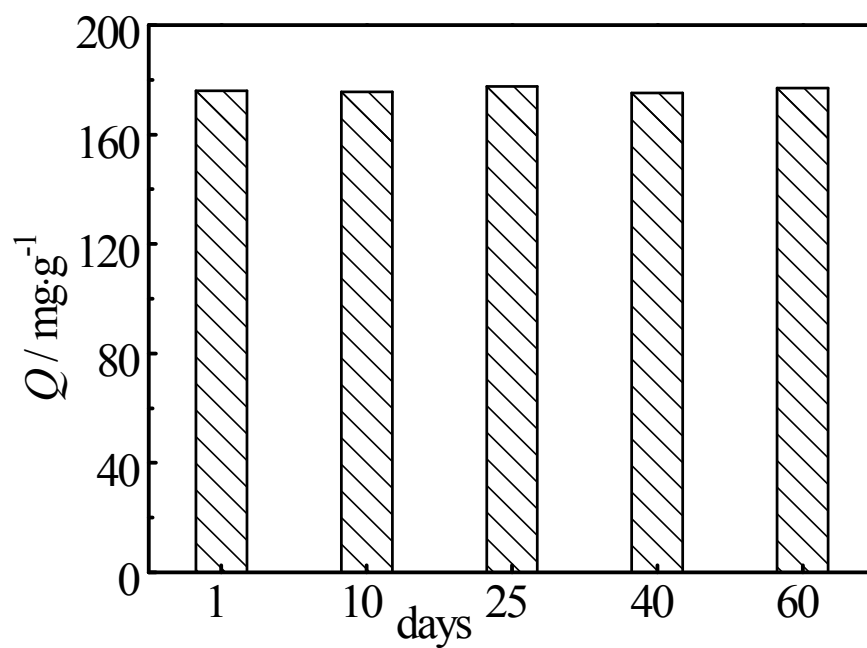


Fig.S4 Stability of Cr(VI)-IIPs