

Effective uranium (VI) sorption from alkaline media using bi-functionalized silica-coated magnetic nanoparticles

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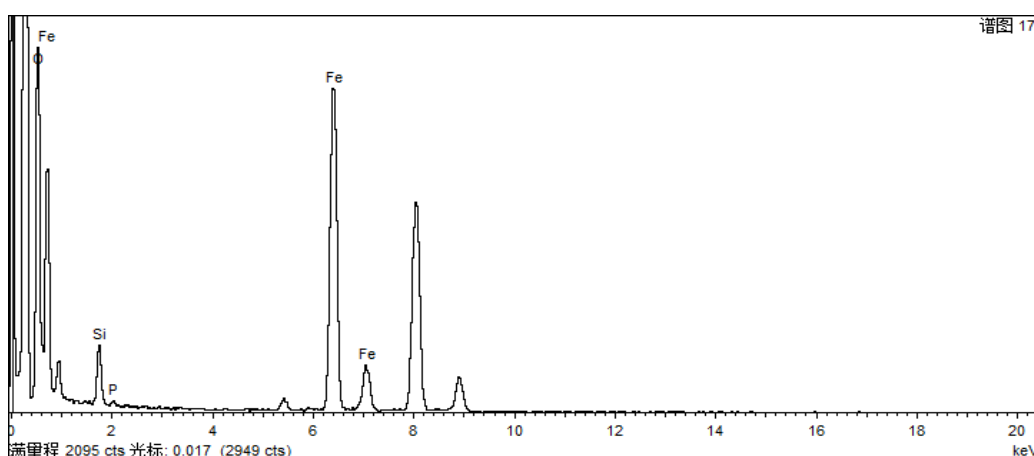


Figure S1 The energy-dispersive X-ray spectrum (EDS) of **2**

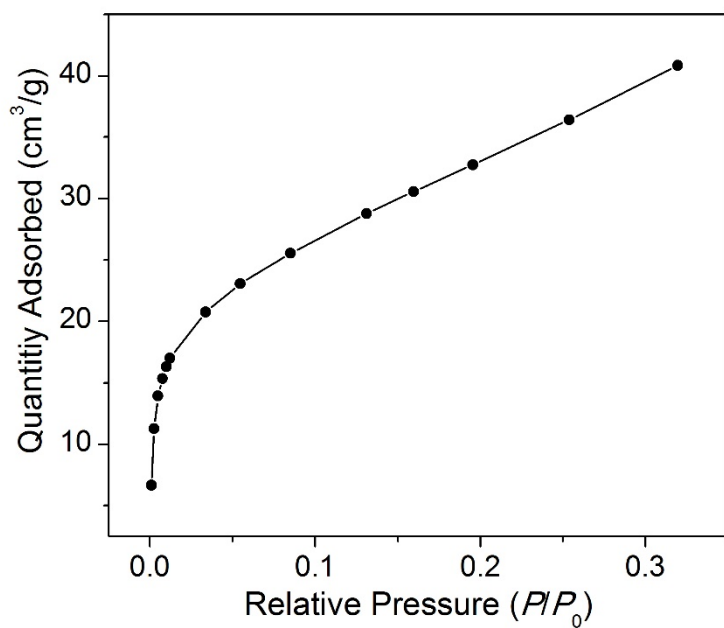


Figure S2 The N₂ adsorption isotherm of 3

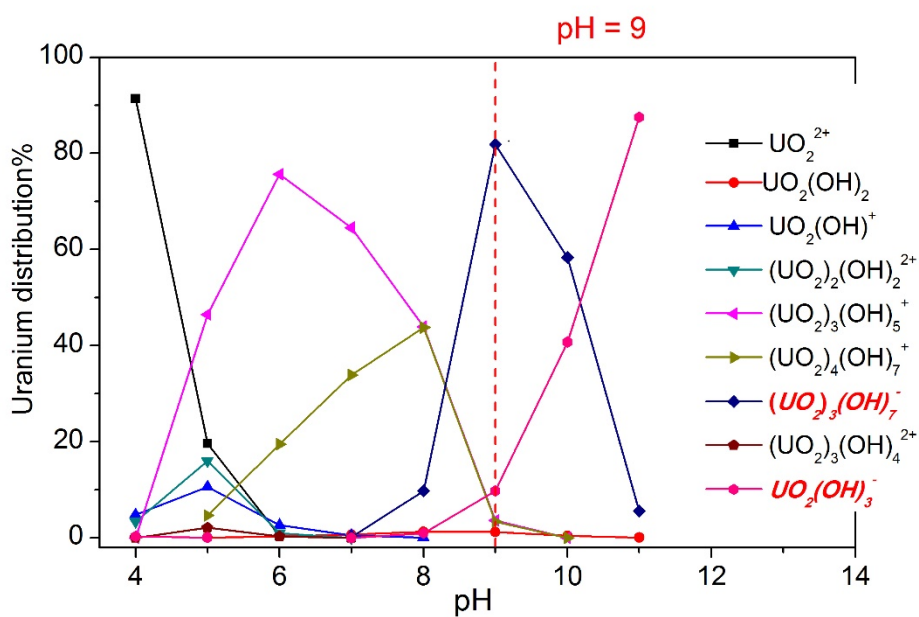


Figure S3 Uranium species distribution from pH 4 to pH 11 at uranium concentration of 21.7 ppm based on software of Visual MINTEQ.

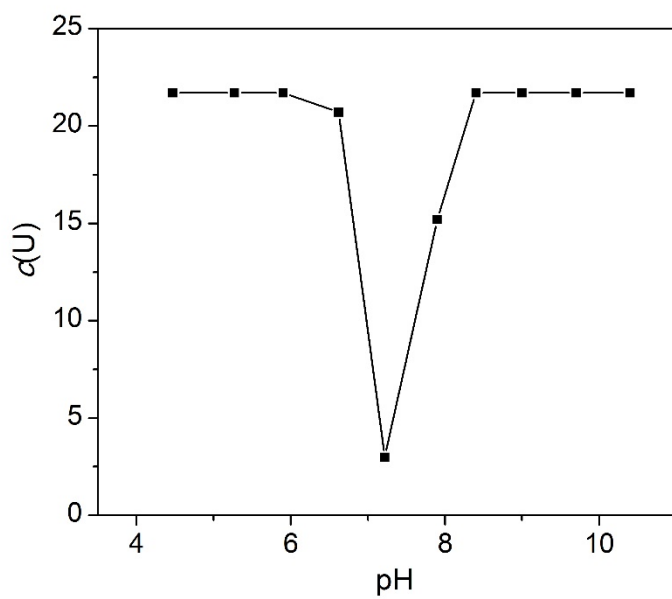


Figure S4. The blank experiment without any sorbents at U(VI) concentration of 21.7 mg/L.

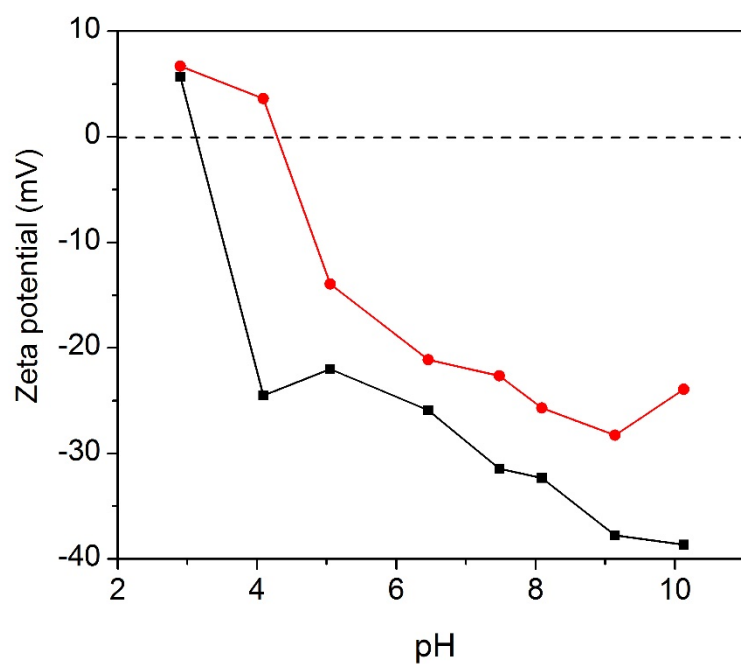


Figure S5 Zeta potential of **1** (black line) and **2** (red line) at pH range from 3.0 to 10.0

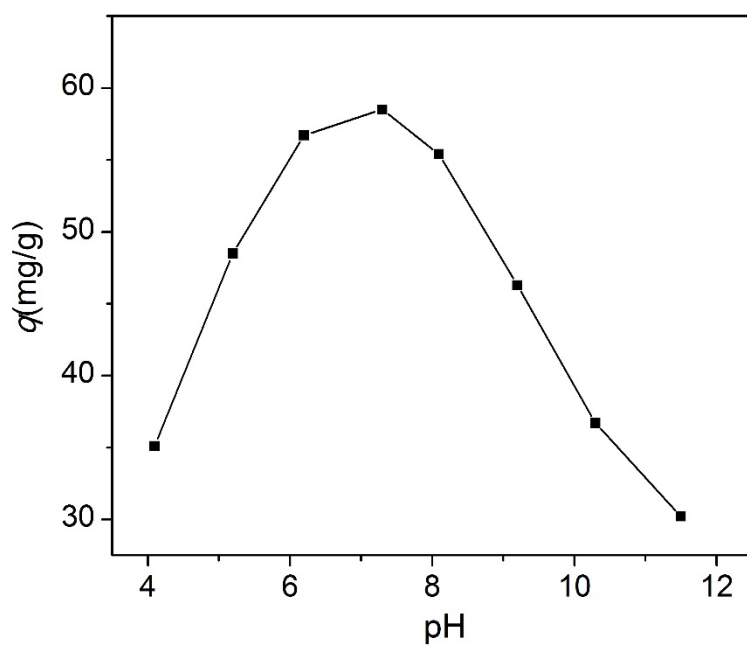


Figure S6 Effect of initial pH on the sorption capacity of U(VI) on **4**. $c(\text{U(VI)}) = 21.7 \text{ mg/L}$.

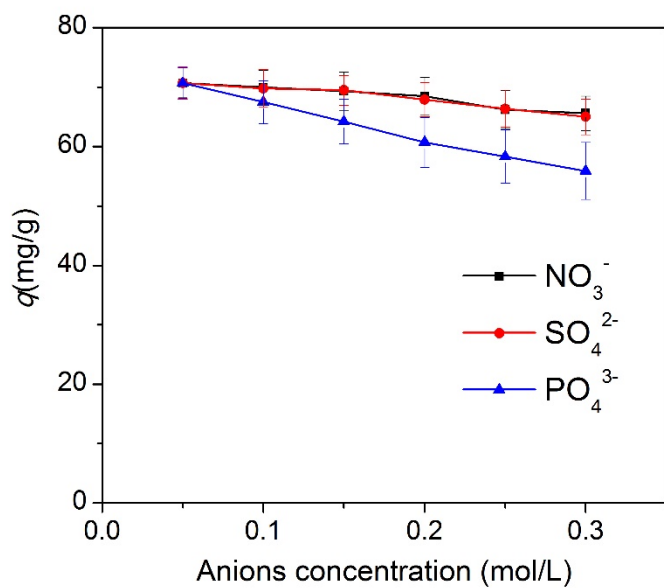


Figure S7 Effect of anions effect on the sorption capacity of U(VI) on **2**. U(VI) concentration was 21.7 mg/L . $\text{pH} = 9.0$.