

Supplementary Information for

Reductive Immobilization of Uranium(VI) by Amorphous Iron Sulfide

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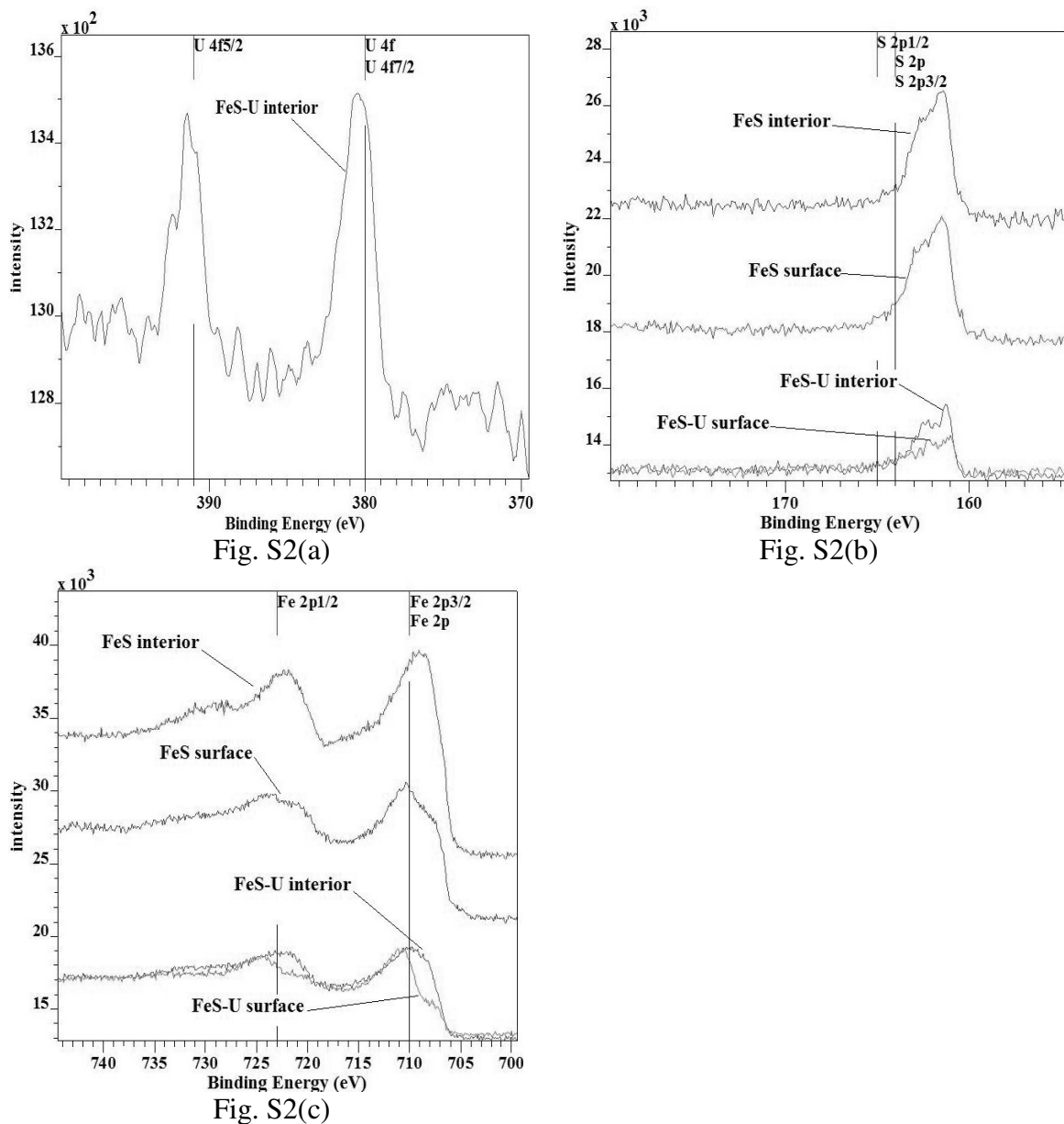


FIGURE S1. XPS spectra for FeS with and without loaded U. The samples were prepared in suspensions with pH 5.99. (a) U 4f spectra interior. The spectrum of the surface was very noisy, was not presented here; (b) S 2p spectra; (c) Fe 2p spectra.

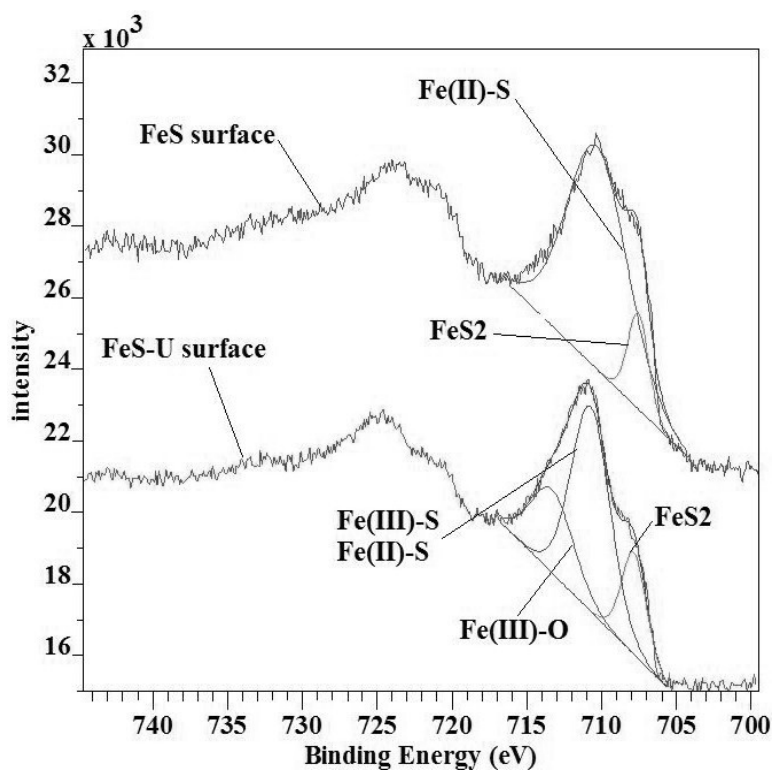


FIGURE S2. Deconvolution of Fe 2p XPS spectra. Upper curve: FeS surface; lower curve: the surface of FeS loaded with U prepared at pH 6.90.

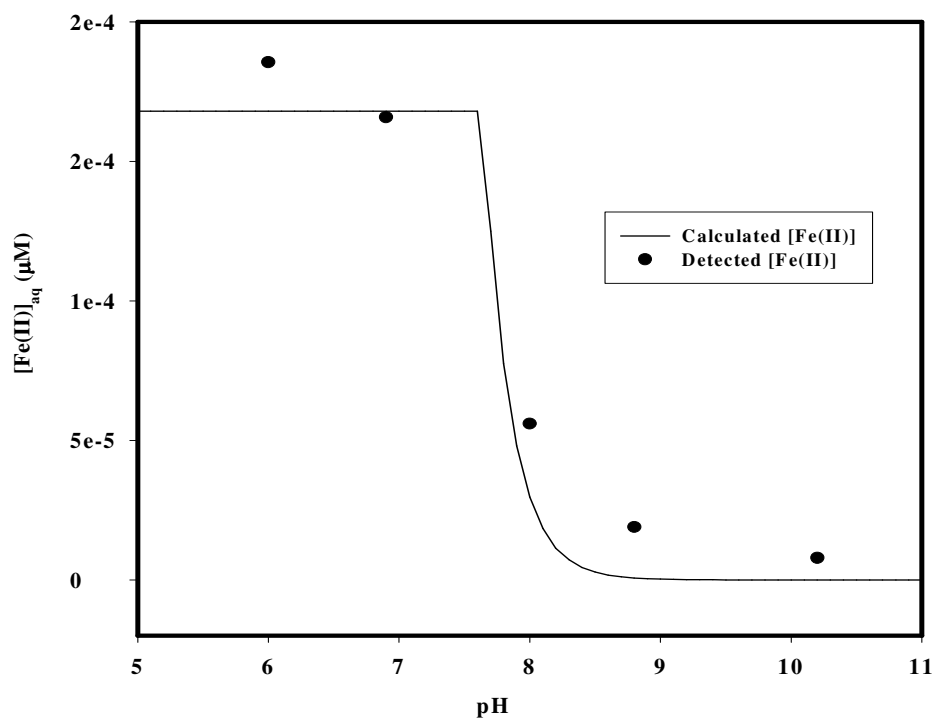


FIGURE S3. Variations of $[\text{Fe(II)}]_{\text{aq}}$ with pH. The curve was calculated with MINEQL+ (version 4.07) ($[\text{Fe(II)}]_0 = 168.3 \mu\text{M}$). The experimentally detected $[\text{Fe(II)}]_{\text{aq}}$ were incorporated into the figure as the dotted points.