

Electronic Supplementary Information (ESI)

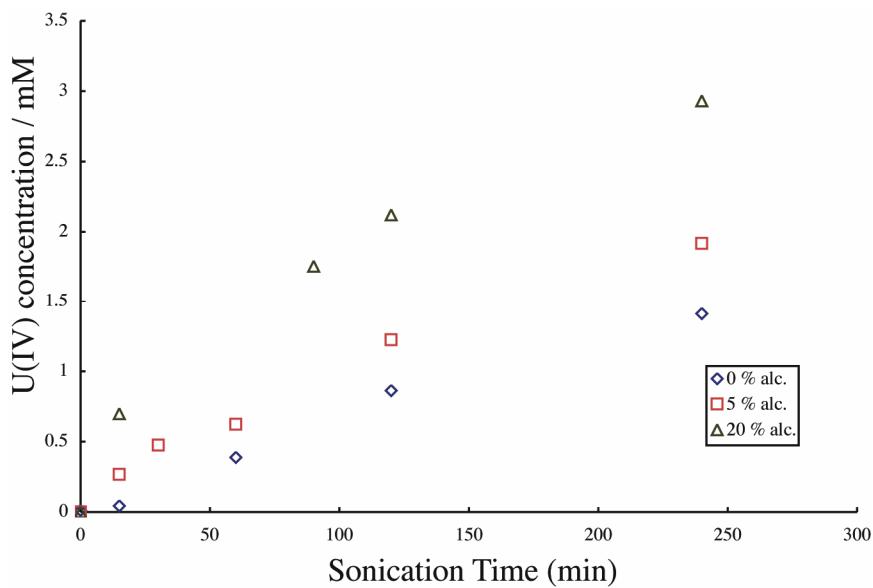


Figure S1. Dependency of the reaction rate on the initial concentration of 2-propanol. Concentration of the produced U(IV) was plotted against the sonication time. The solution contains 5 mM $\text{UO}_2(\text{ClO}_4)_2$ and 1 M HCl. The test sample was bubbled by Ar gas washed with 2-propanol. 600 kHz ultrasound was employed for the sonication. The temperature was kept at 293 K.

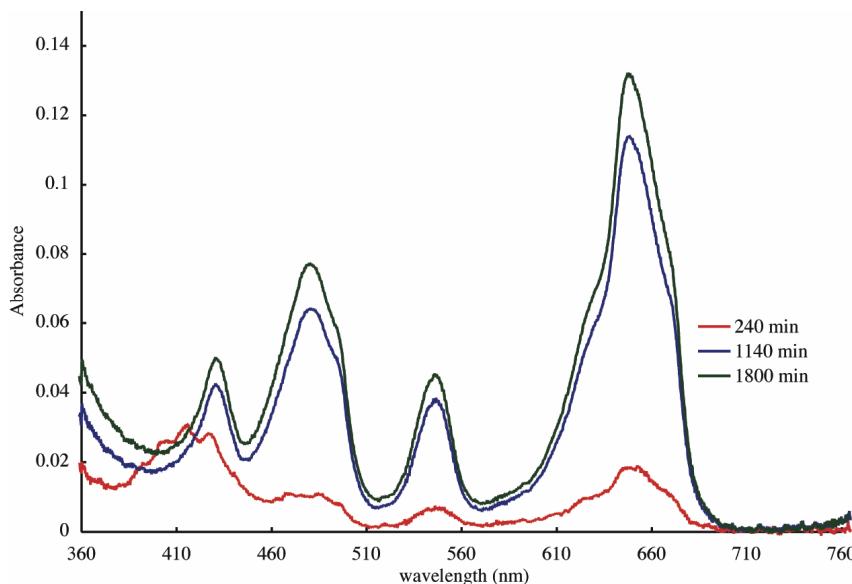


Figure S2. Absorption spectra of the solution contains 5 mM $\text{UO}_2(\text{ClO}_4)_2$ and 1M HNO_3 . Concentration of the produced U(IV) was plotted against the sonication time. The solution contains 5 mM $\text{UO}_2(\text{ClO}_4)_2$, 1M HCl and 20 vol% of 2-propanol. The test sample was bubbled by Ar gas washed with 2-propanol. 600 kHz ultrasound was employed for the sonication. The temperature was kept at 293 K.