

Supporting Information

Electronic Spectra of Pure Uranyl(V) Complexes: Characteristic Absorption Bands due to $\text{U}^{\text{V}}\text{O}_2^+$ Core in Visible and Near-Infrared Region

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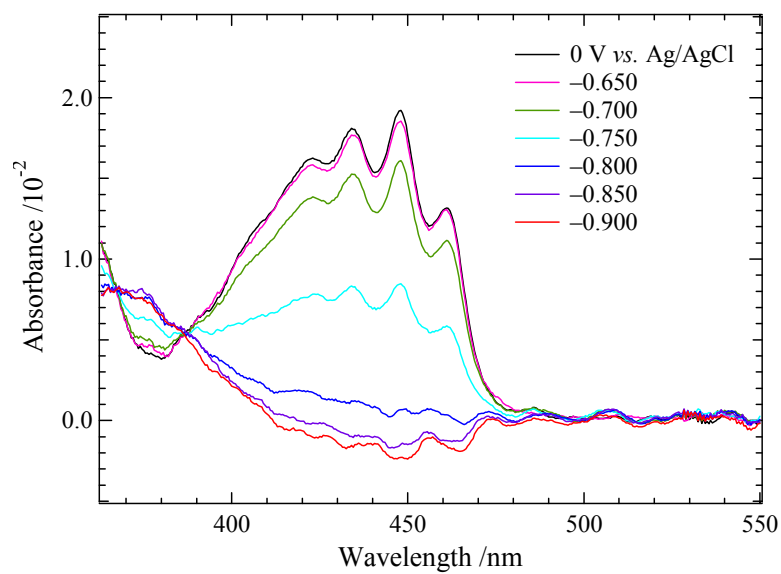


Figure S1. UV-visible absorption spectra measured at the applied potentials in the range from 0 to -0.900 V vs. Ag/AgCl for the redox couple of $[\text{U}^{\text{V}}\text{O}_2(\text{CO}_3)_3]^{5-}/[\text{U}^{\text{VI}}\text{O}_2(\text{CO}_3)_3]^{4-}$ (4.38×10^{-2} M) in D_2O containing 1 M Na_2CO_3 . Isosbestic points: 367 and 387 nm. Optical path length: 1.89×10^{-2} cm.

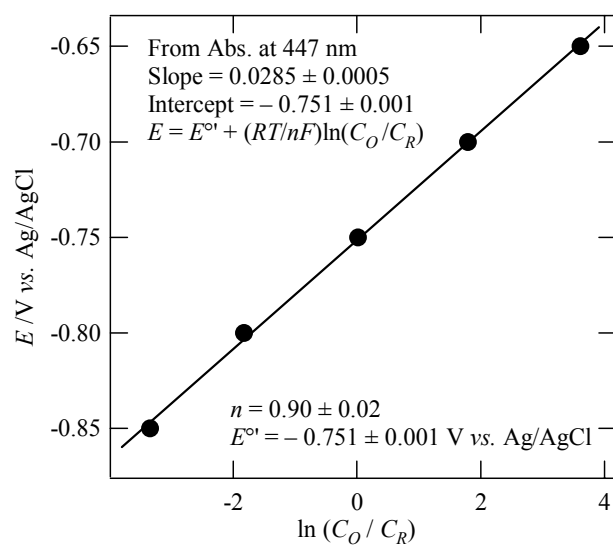


Figure S2. Nernstian plot for the absorbancies at 447 nm in Figure S1.