

Supplementary Materials

A Novel Eco-Friendly and Highly Sensitive Solid Lead-tin Microelectrode for Trace U(VI) Determination in Natural Water samples

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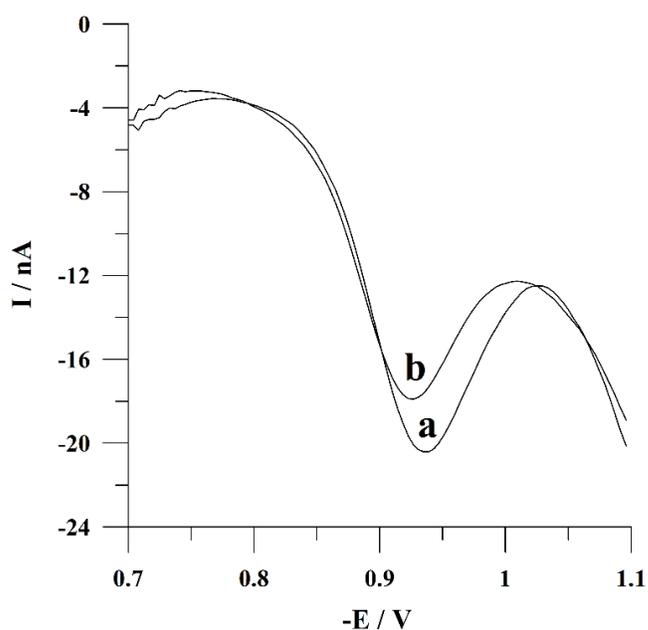


Figure S1. SW voltammograms obtained for U(VI) determination at a concentration of $5 \times 10^{-8} \text{ mol L}^{-1}$ from: a) a stirred solution; b) an unstirred solution. Potential and time of accumulation: -0.7 V, 120 s.

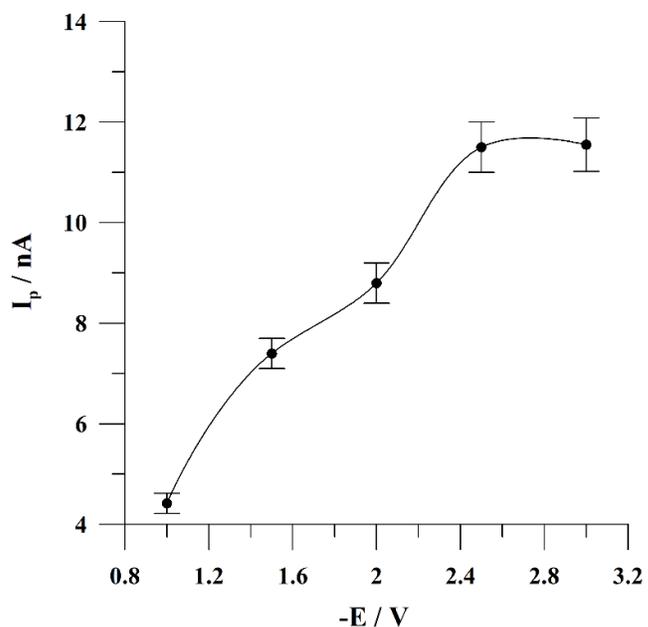


Figure S2. Effect of activation potential on U(VI) signal. U(VI) concentration: 5×10^{-8} mol L⁻¹. Activation time: 4 s. Potential and time of accumulation: -0.7 V, 120 s. The error bars refer to the standard deviation (n = 3).

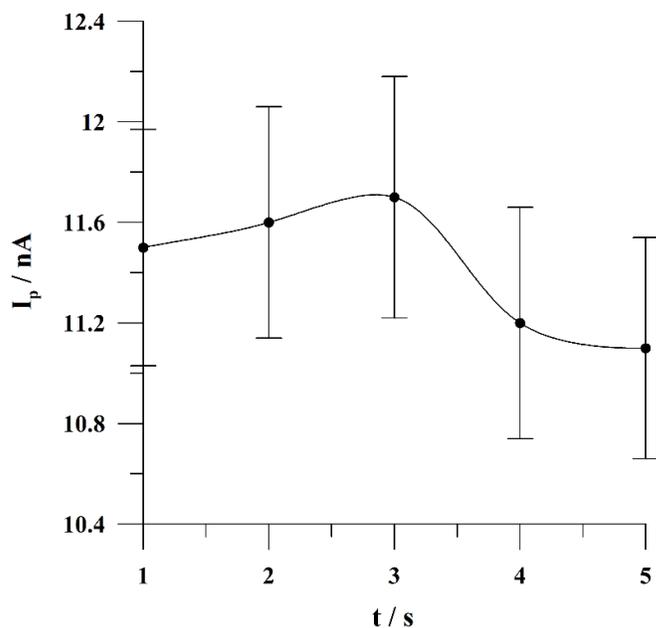


Figure S3. Effect of activation time on U(VI) signal. U(VI) concentration: 5×10^{-8} mol L⁻¹. Activation potential: -2.5 V. Potential and time of accumulation: -0.7 V, 120 s. The error bars refer to the standard deviation (n = 3).