Plasmonic Response at Electrified Metal-Liquid Interfaces during Faradaic and non-Faradaic Reactions by Enhanced Optical Transmission

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Electronic Supplemental Information

I. Wavevector position vs. time

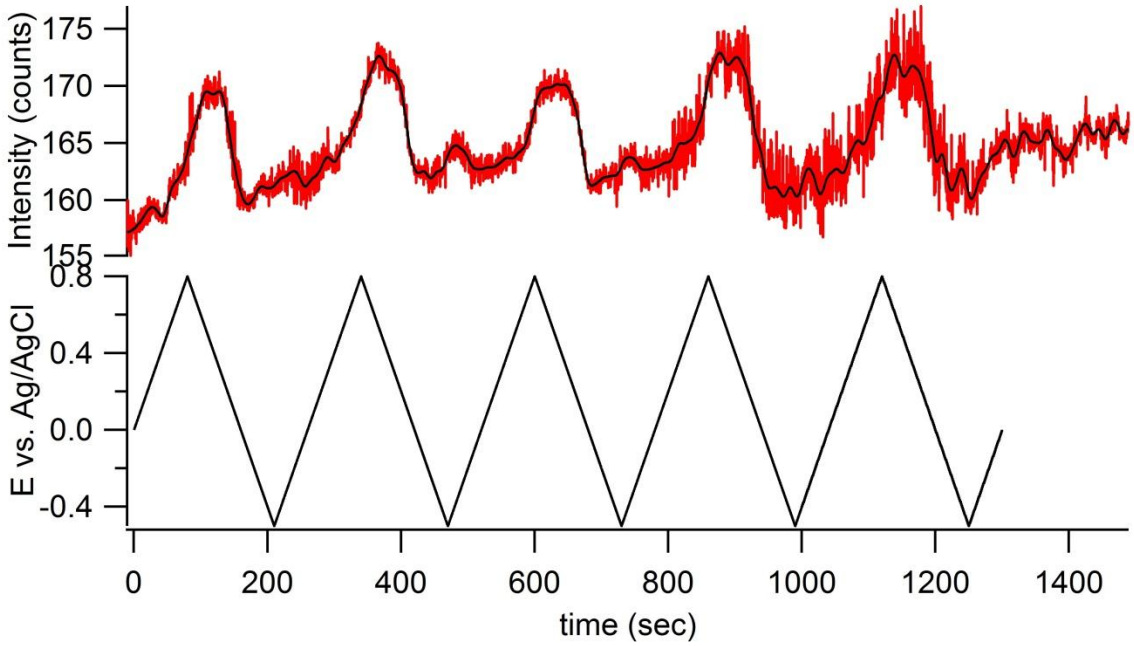

Figure S1. (*Top*) vertical cross section through Fig. 2(B) (main text), at the wavevector position k_x = 2.6 x 10^{-3} nm^{-1}. (*Bottom*) Potentials corresponding to the observed k_x values.

II. Cyclic voltammetry

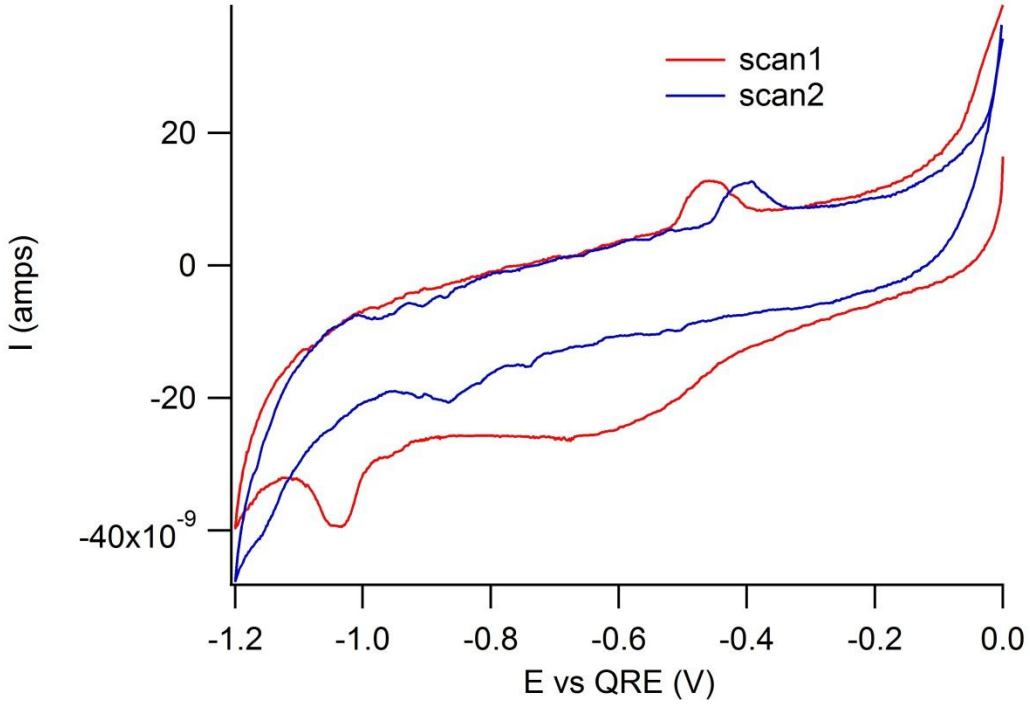

Figure S2. Cyclic voltammetry of DDT adsorption/desorption under conditions given for Rxn. 2 (Table 1, main text).

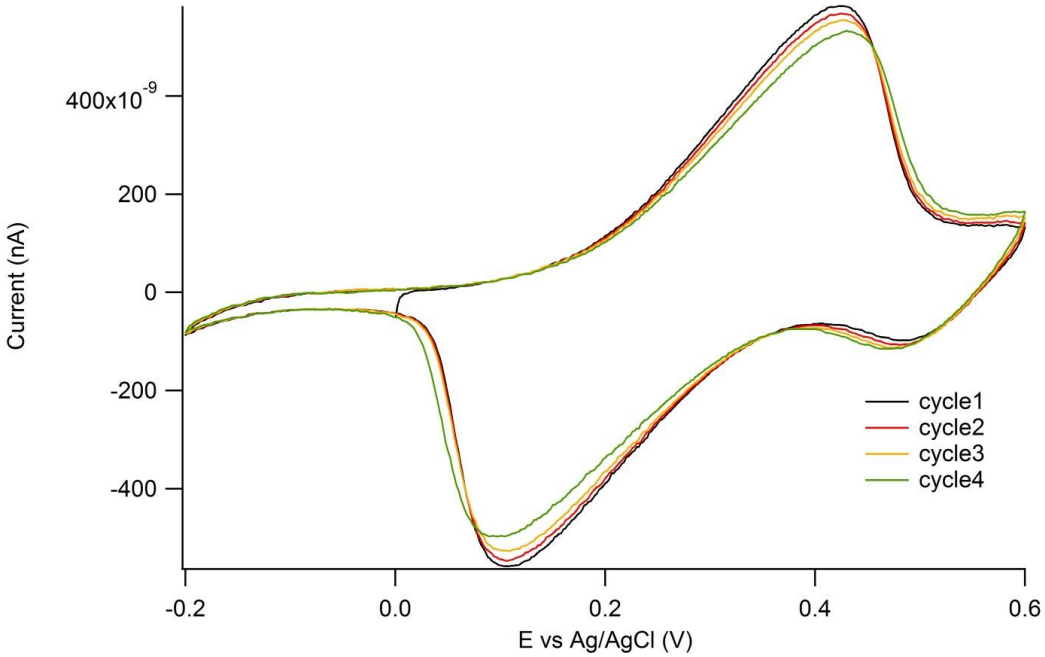

Figure S3. Cyclic voltammetry of ferri-ferrocyanide experiment under conditions given for Rxn. 3 (Table 1, main text).

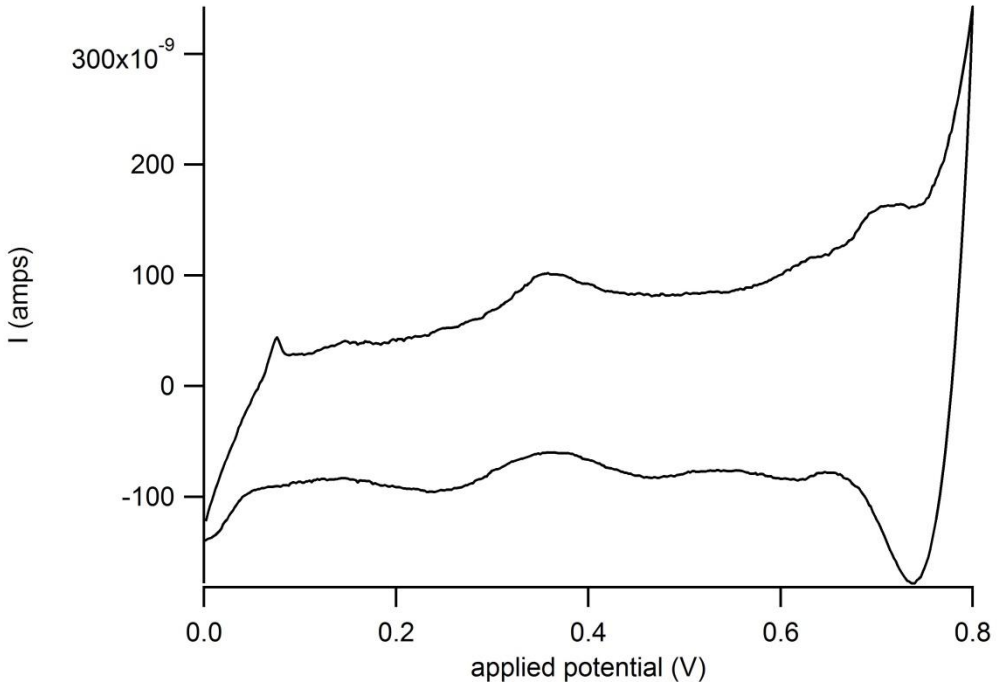

Figure S4. Cyclic voltammetry of sulfate/bisulfate adsorption under conditions given for Rxn. 4 (Table 1, main text).