

Laser-Induced Current Transient Technique

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1 Abstract

2 Scientific Background

3 Experiment

3.1 Experimental set-up

3.2 HClO₄ Solution

3.3 Electrode

3.4 LICT measurements

4 Measurement analysis

In order to analyze the retrieved data, the peaks of the measured currents are being shown in figure 1 for three different pH values. In order to find the PME of the Electrode in each specific setup, a fit is applied to the data points. Additionally, the

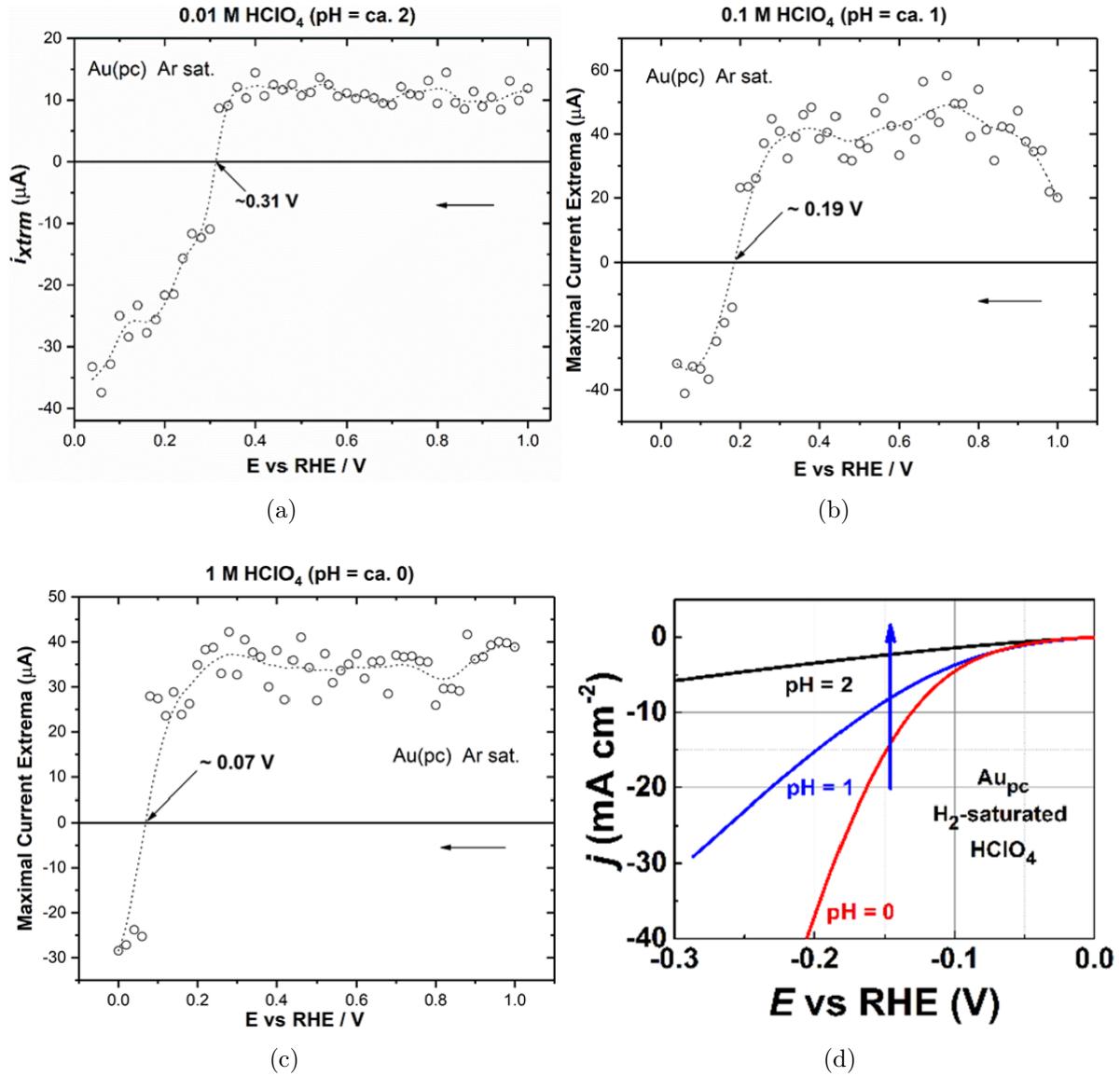


Figure 1: Measured peak currents shown against the applied Voltage for a polycrystalline gold Electrode (a,b,c). Figure (d) shows the pH sensitivity of the current curve against the Voltage. The zero-point of the Voltage is set to the RHE.

5 Conclusion