Fuel cell laboration

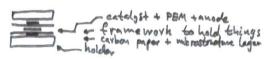
Log

08:00 Handledare: Linne'a Strandberg.

Se PP slides för teori. -> Värden på saker står där?

Polarization curve: cell voltage (V) vs. current density (mA cm-2).

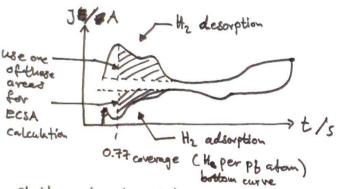
09:30 Built fuel cell sandwich.



Start CV measurement: Hz anode , Ar for cathode.

P=1.5 bar, T=40°C. Waiting for open circuit voltage (ocv) to be to ~ 100 mV. (we have or in FC from assembly, why ocv 25 large at the start).

start of CV measurement (but we will probably get data from another measurement). LSV to reach start voltage, then CV 50 mV s⁻¹ between 0.05 V and 1.00 V.



Stable cycles (10 cycles).

09:50 Prepare for polarization Curve, T=80°C. Oz for cathode (air).

OCV ~ 900 mV before start.

Have A = 5.0 cm2 for our FC.

10:00 (tarked CV, see curve:

We have not activated our FC,

J /A cm⁻²

but activation 1 performance (wotting PEM, changing its structure, ...).