MWE-JF016 Activity Assessment

Date: 2025-05-05
Tags: OER H2SO4
Category: Char EC
Status: Success
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Procedure

The activity assessment was done in a one compartment cell. 2 glassy carbon rods were used as counter electrodes. A calibrated saturated calomel electrode (SCE) was used as reference electrode.

The measurements were conducted in 0.5 M H2SO4 (suprapur).

10 cycles between 1.2 and 1.6 V vs RHE were recorded at a scan rate of 10 mV/s.

Default group

pH

Acidic

Electrolyte

0.5 M H2SO4

Counter Electrode

Glassy Carbon

Reference Electrode

Saturated Calomel Electrode (SCE)

Scan Range

1.2 to 1.6 V vs RHE

Scan Rate

10 mV/s

Nr. of Cycles

10

Linked experiment

MWE - MWE-JF016

Attached files

CV_131930_10_MI.tdms
sha256: cfc0a0587d2ffce95bcd3a797513d53ee56e1820fb367df15fb01997d3d655df

CV_131800_-9_MI.tdms
sha256: b7b80f43e24459c6b4c223e61ebff79c2e26b32840f7fb6c7095fb998b9a5d70

Macro.EC_Macro
sha256: b6812d25ea504154d6db42d93c7491170f35947d5838072bd15c79e279918e3b

Macro_Log.txt
sha256: 60763bcab39b73fcf9f734b7731e1f0a446f9788c54e25c2a7a81094ea69929f

CV_130600_-1_MI.tdms
sha256: b2fe7987408b7e444cab05a6c05008db092c499bdeb9a076f7b8df56632ac5c8

CV_130730_-2_MI.tdms
sha256: 946dc1a3a527c51fb271c0a7f38f73f276421a540e40c5d02c73d5594cd25140

CV_130900_-3_MI.tdms
sha256: 7a2c11019a5a79eeb6ea5eb5cd8b43251019c845fdb2343a06d0430b2edc01ce

CV_131030_-4_MI.tdms
sha256: 0551bda3f835a09f41e6c11a21ffdf0d191784bb3f1d35ca3f983158fc429f56

CV_131200_-5_MI.tdms
sha256: 88143bd75614ec6084dd80295550582fc33969fbfa6dcd83e6910e22530693f7

CV_131330_-6_MI.tdms
sha256: 8081c62d522d1d8d5da554b698e844bc691b7bf1526503b7cc83fd962e335032

CV_131500_-7_MI.tdms
sha256: 9708b5ea6395fc45d60cb16aa38fe3b9f208893ca242af6fc75003fe153a31f3

CV_131630_-8_MI.tdms
sha256: 28c724f6c5ba5f5cf9890aa4745e57deeff5d50cdf1f5fdc31fe386a2561771b

Unique eLabID: 20250514-835b78d245d2af8f59e1dc8288640b6c9776c81b
Link: https://elabftw.dcbp.unibe.ch/experiments.php?mode=view&id=21