BioLogic

EClab



This PC › mp_groupshare (\\pgb-ds1815) (Y:)

| Name | Status | Date modified | Type | Size |
|---|---|---|---|---|
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1 | ✓ | 30/10/2022 12:58 | EC-Lab setting file | 8 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_01_PEIS_CD7 | ✓ | 30/10/2022 13:00 | MGR File | 50 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_01_PEIS_CD7 | ✓ | 30/10/2022 12:58 | EC-Lab LOG file | 3 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_01_PEIS_CD7 | ✓ | 29/10/2022 19:57 | EC-Lab raw data b... | 51 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_01_PEIS_CD7_LOOP | ✓ | 29/10/2022 19:57 | Text Document | 1 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_02_OCV_CD7 | ✓ | 30/10/2022 13:00 | MGR File | 50 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_02_OCV_CD7 | ✓ | 30/10/2022 12:58 | EC-Lab LOG file | 2 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_02_OCV_CD7 | ✓ | 29/10/2022 20:57 | EC-Lab raw data b... | 44 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_02_OCV_CD7_LOOP | ✓ | 29/10/2022 20:57 | Text Document | 1 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_04_GCPL_CD7 | ✓ | 30/10/2022 12:58 | EC-Lab LOG file | 7 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_04_GCPL_CD7 | ✓ | 12/11/2022 17:00 | EC-Lab raw data b... | 1,841 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_04_GCPL_CD7_LOOP | ✓ | 28/10/2022 20:04 | Text Document | 1 KB |
| 20221028_FeF2_bm_R52_US_801307_CCCC_1MLiTFSIPyr13TFSI_1_D128_CD7.sta | ✓ | 12/11/2022 17:00 | STA File | 1 KB |

auto_echem

```
def auto(EClab_settingfile.mps):
    …
    return(dict)
```

dict

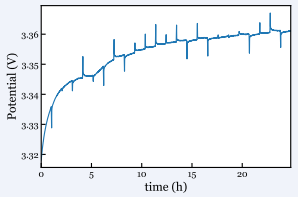
| | |
|---|---|
| surface area | 0.785 $cm^2$ |
| $m_{AM}$ | 1.04 mg |
| data | pandas |
| eva | pandas |
| … | … |

['data']

['1 PEIS']

pandas

['2 OCV']




pandas

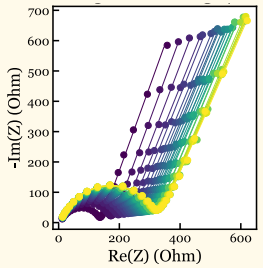
['4 GCPL']

pandas

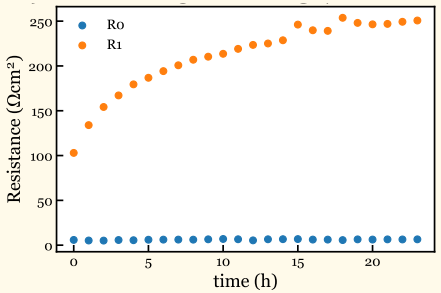
['eva']

['1 PEIS']

['Nyquist data']




['Nyquist parameter']

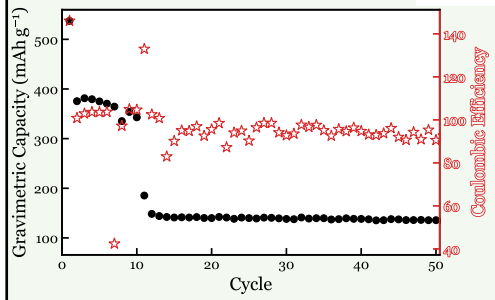



['R0']:[9.4,8.7,9.2,…]
['R1']:[100,114,117,…]

[0][cycle]: experimental data
[1][cycle]: fit
[2][cycle]: electronic circuit elements
[3][cycle]: circuit values

['4 GCPL']

[0]: Gravimetric Discharge/Charge Capacity, Areal current, CE, Discharge/Charge Energy, … As a function of cycle number pandas




[1][cycle]: data for each cycle