

Supporting Information

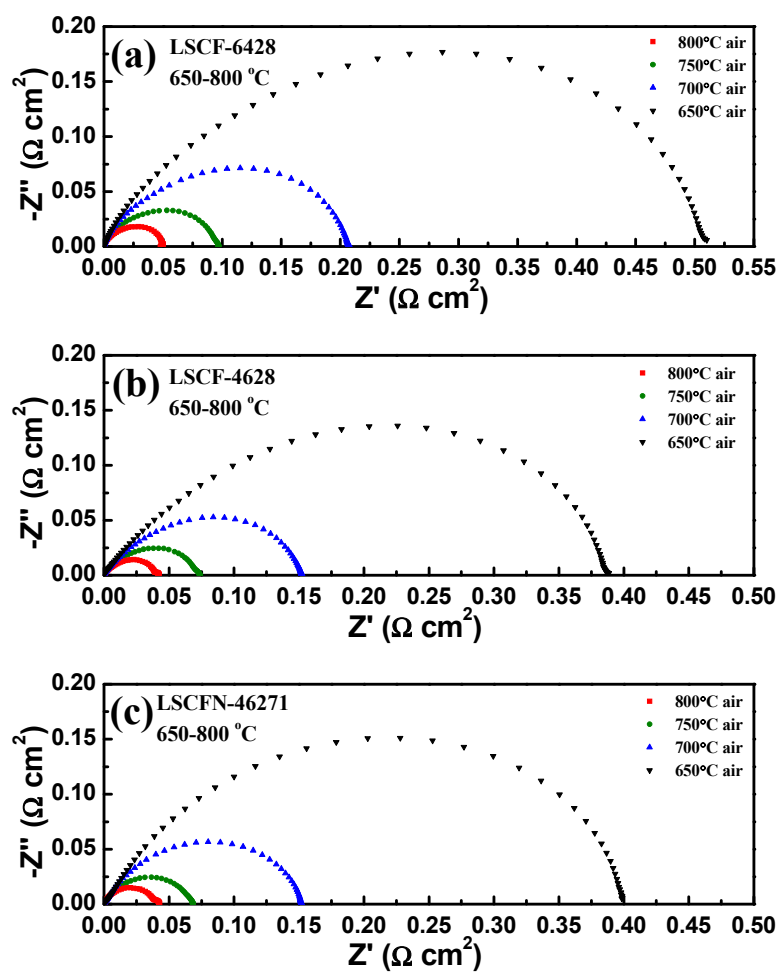
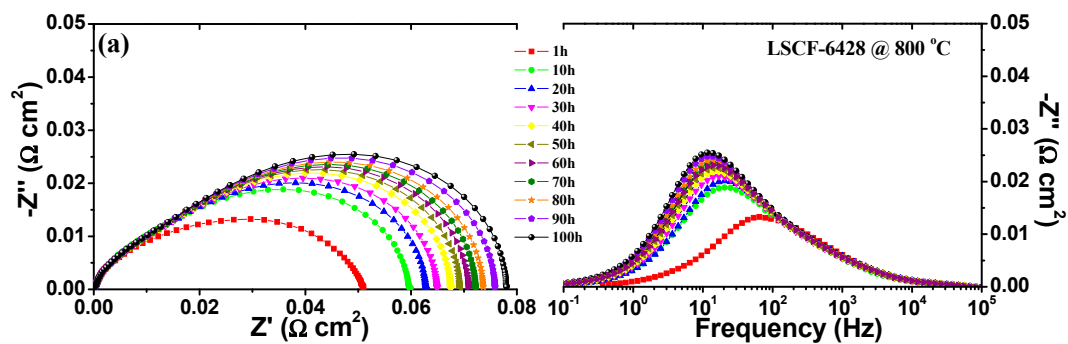


Figure S1. EIS of 3 symmetric electrodes between 650-800 °C in air.



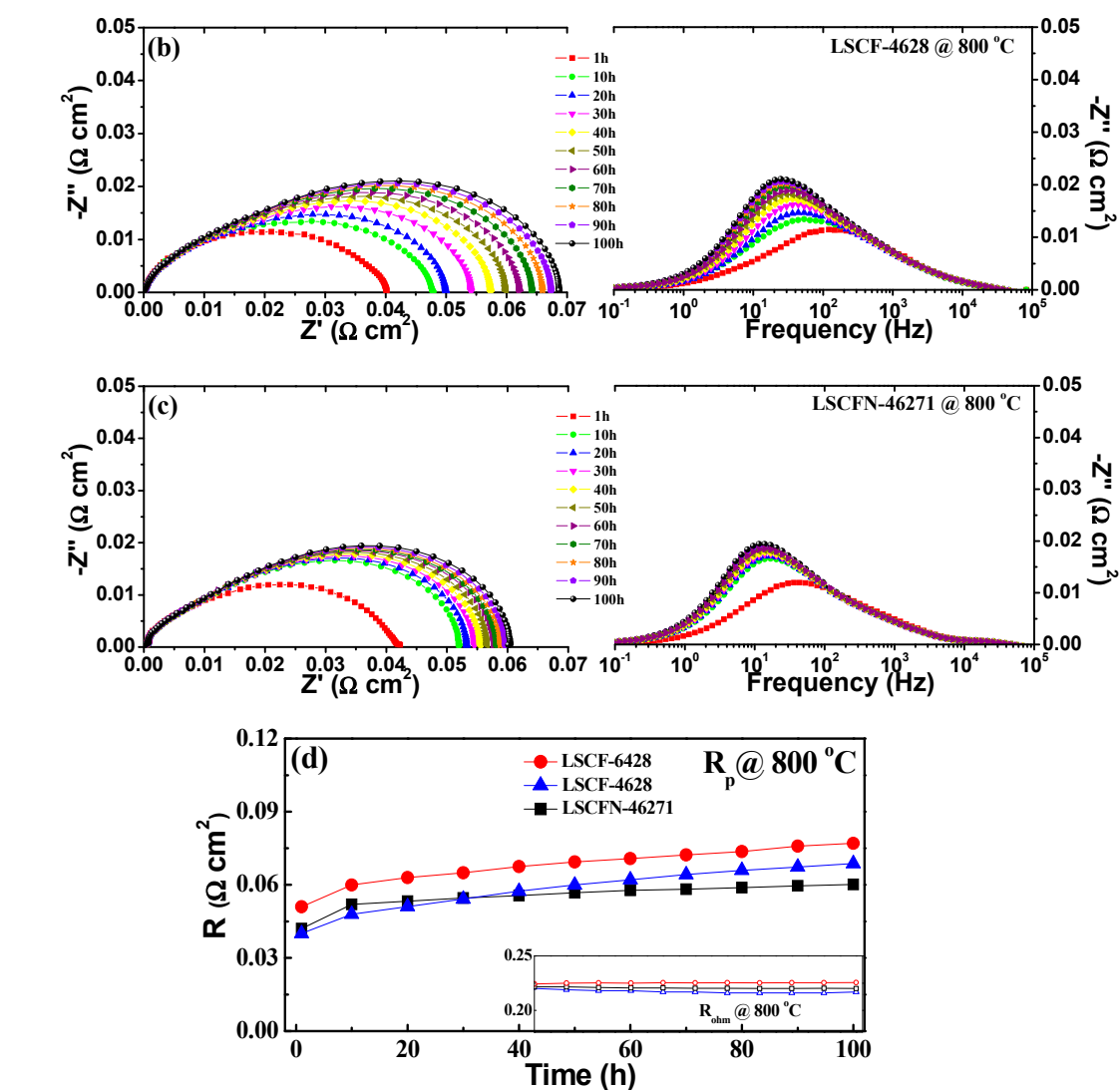
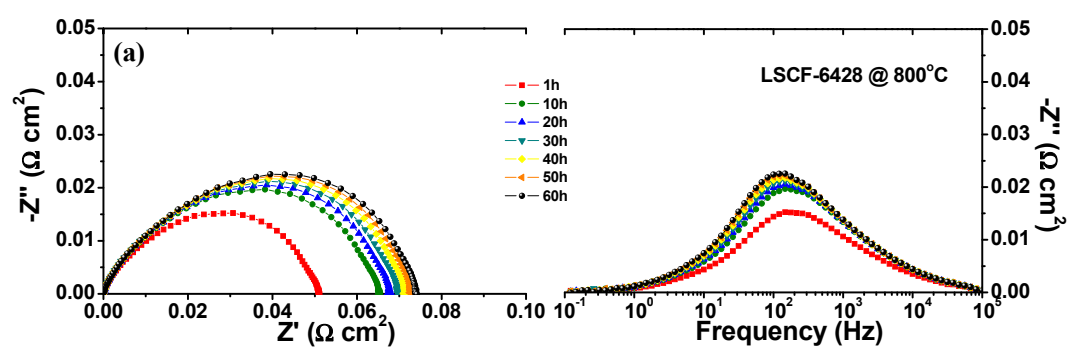


Figure S2. EIS stability test of 3 symmetrical electrodes in air at 800 °C.



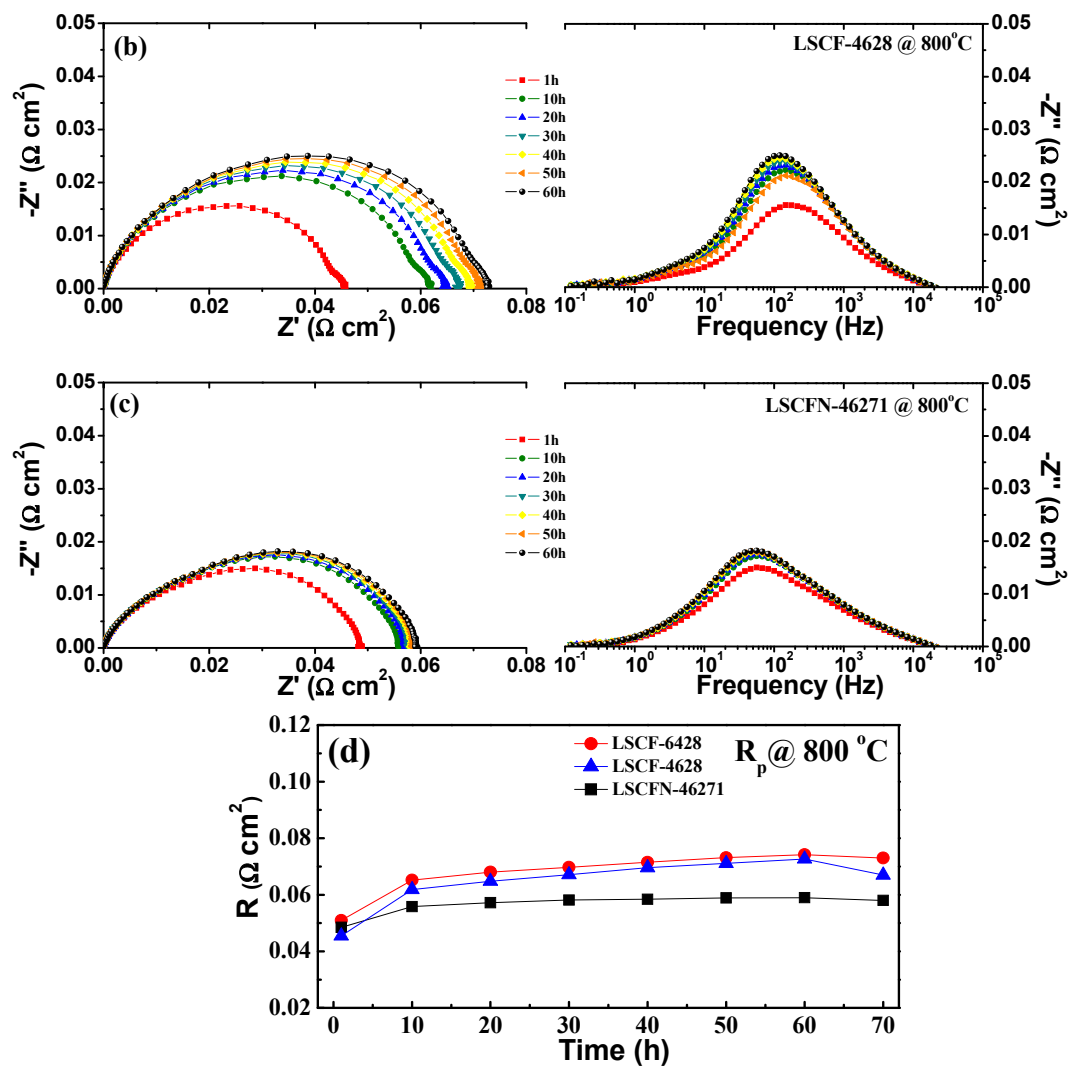


Figure S3. EIS test of the stability of 3 symmetrical electrodes in 20% CO₂-80% Air at 800 °C.

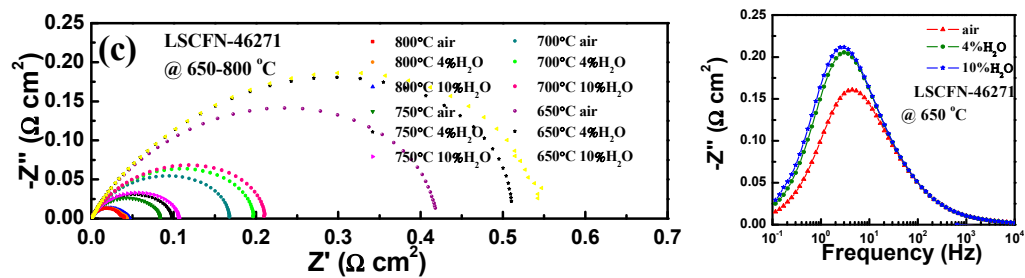
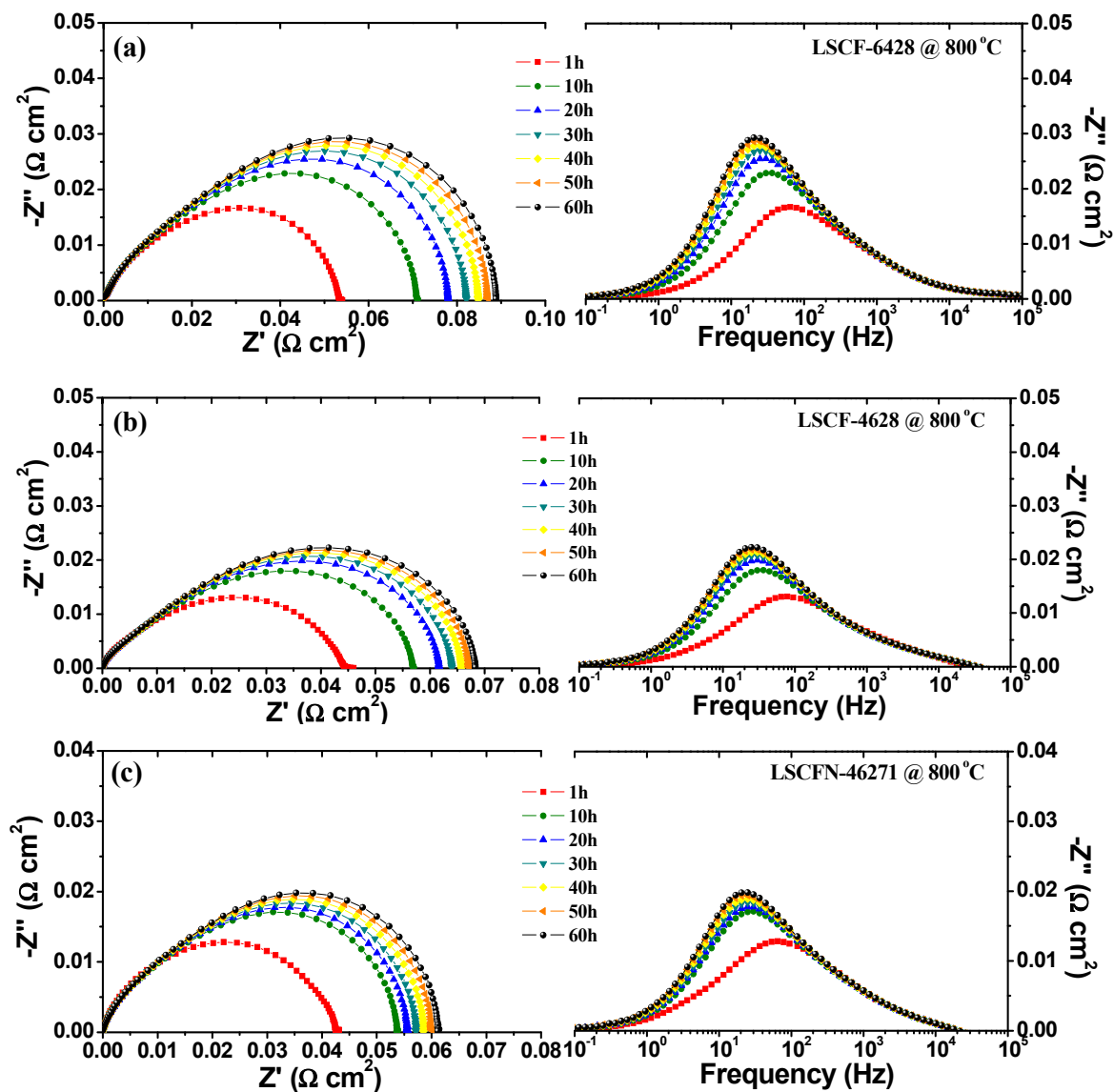


Figure S4. Nyquist plots and Bode plots of 3 electrodes under different H₂O concentration at 650-800 °C.



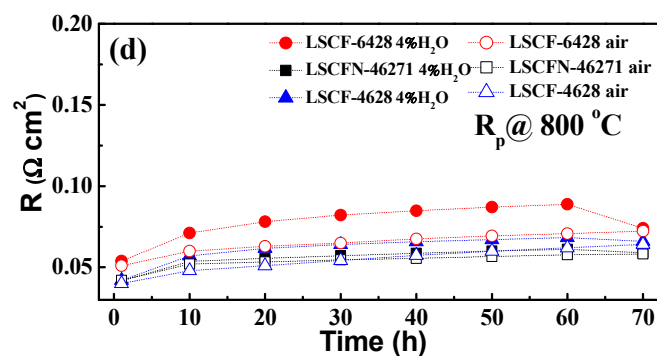


Figure S5. EIS stability test of 3 symmetrical electrodes in 4% H₂O-96% Air at 800 °C.

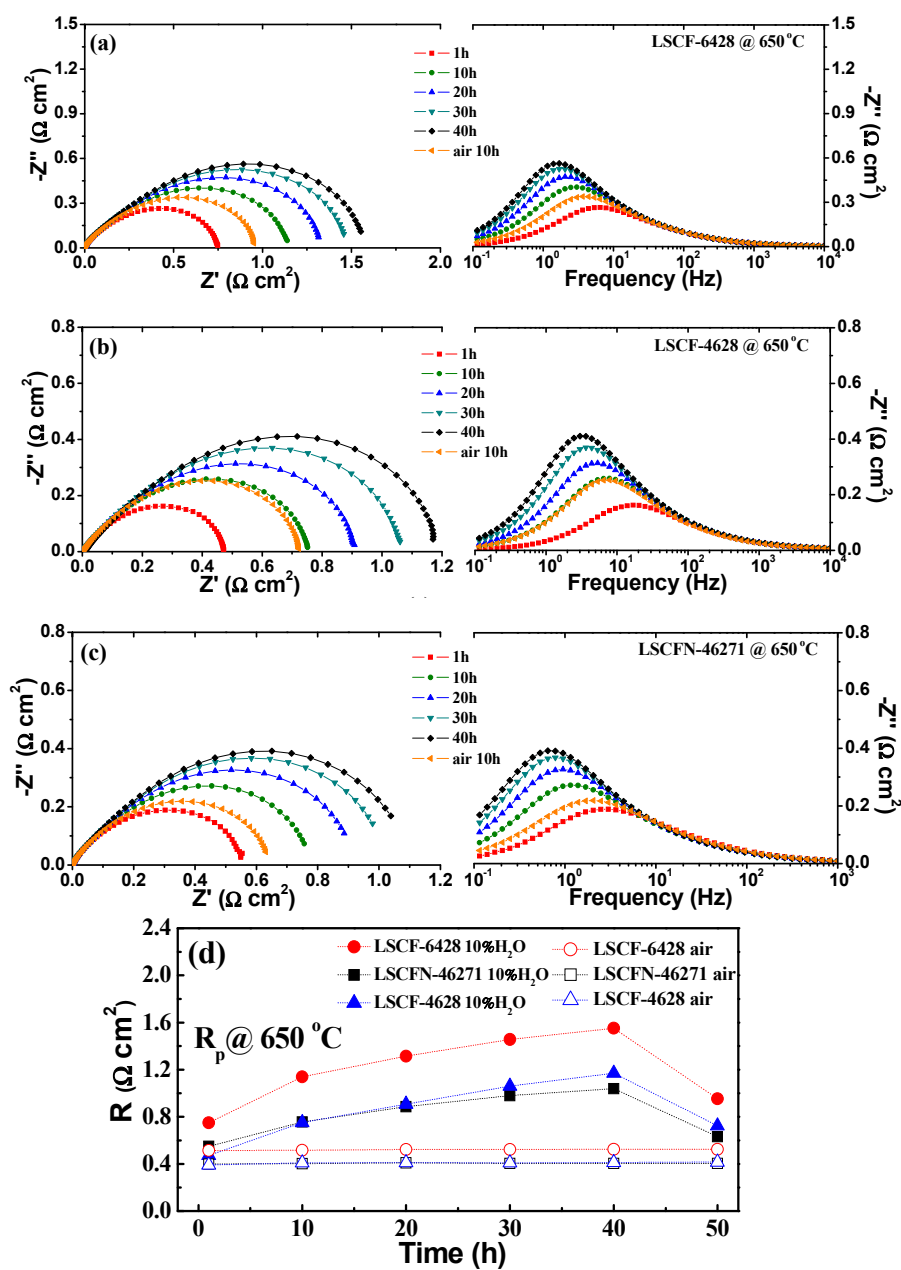


Figure S6. EIS stability test of 3 symmetrical electrodes in 10% H₂O-90% Air at 650 °C.