

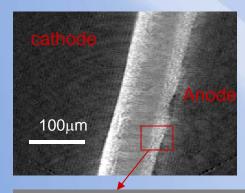
Non Invasive Porosity & Corrosion Characterization in 3D of Functional Membranes and Composites

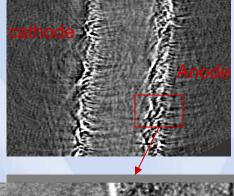
μm to sub 50nm Resolution with novel micro and nanoCT

1. Proton Exchange Membranes (PEM) Fuel Cells

Unused Membrane

CT slice @ 0.7 µm resolution with *MicroXCT*

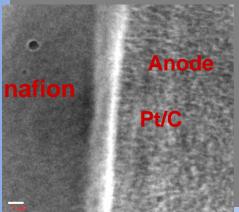


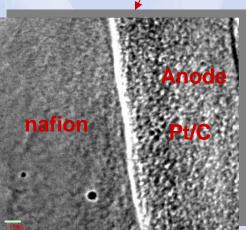


Failed Membrane

(showing corrosion)

CT slice @ 50 nm resolution with nanoXCT





2. Porosity Studies in Solid Oxide Fuel cell (SOFC)

3D image @ 50 nm resolution with nanoXCT

