

Fig.1: Linear sweep voltammetry (left) and chronoamperometry (center) of Ni electrode showing the improved catalytic performance under an external magnetic field applied; (right) multilayer model system employed for the investigation of OER.

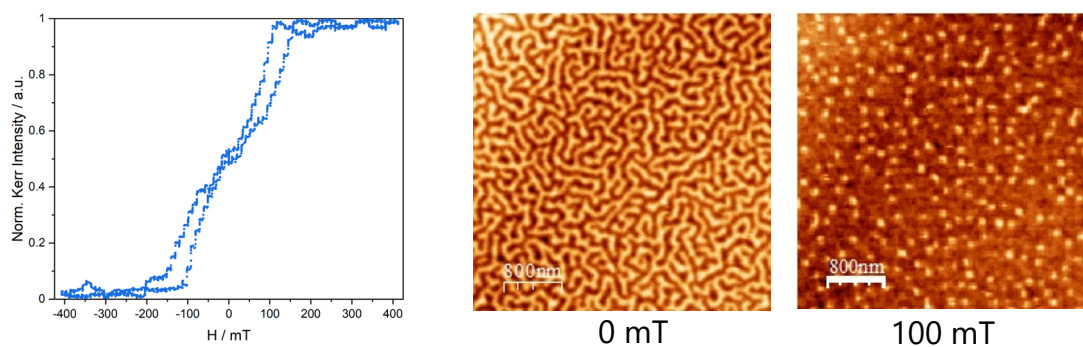


Fig.2: Hysteresis loop of the multilayered samples, showing saturation around 100 mT (left); MFM images of the same set of samples, showing the dimension of the reproducible magnetic domains (right).

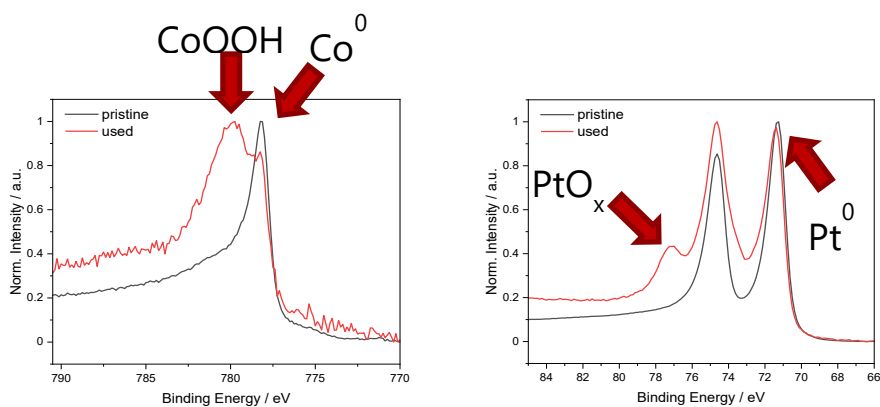


Fig. 3: XPS comparison of the Co2p (left) and Pt4f (right) regions, highlighting the changes occurring on the surface after oxygen evolution reaction (OER).

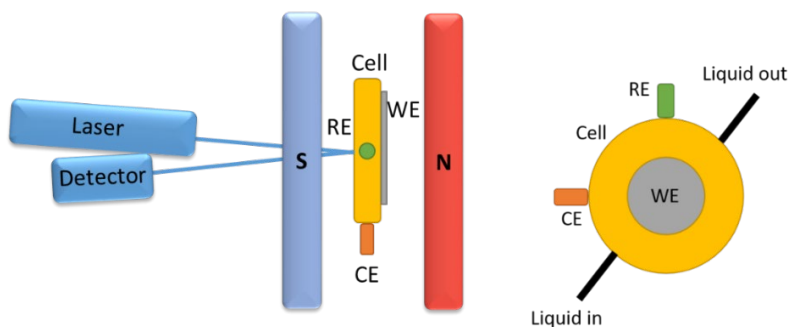


Fig. 4: Electro-MOKE experimental setup (left) and cell configuration (right).