

Supplementary Information

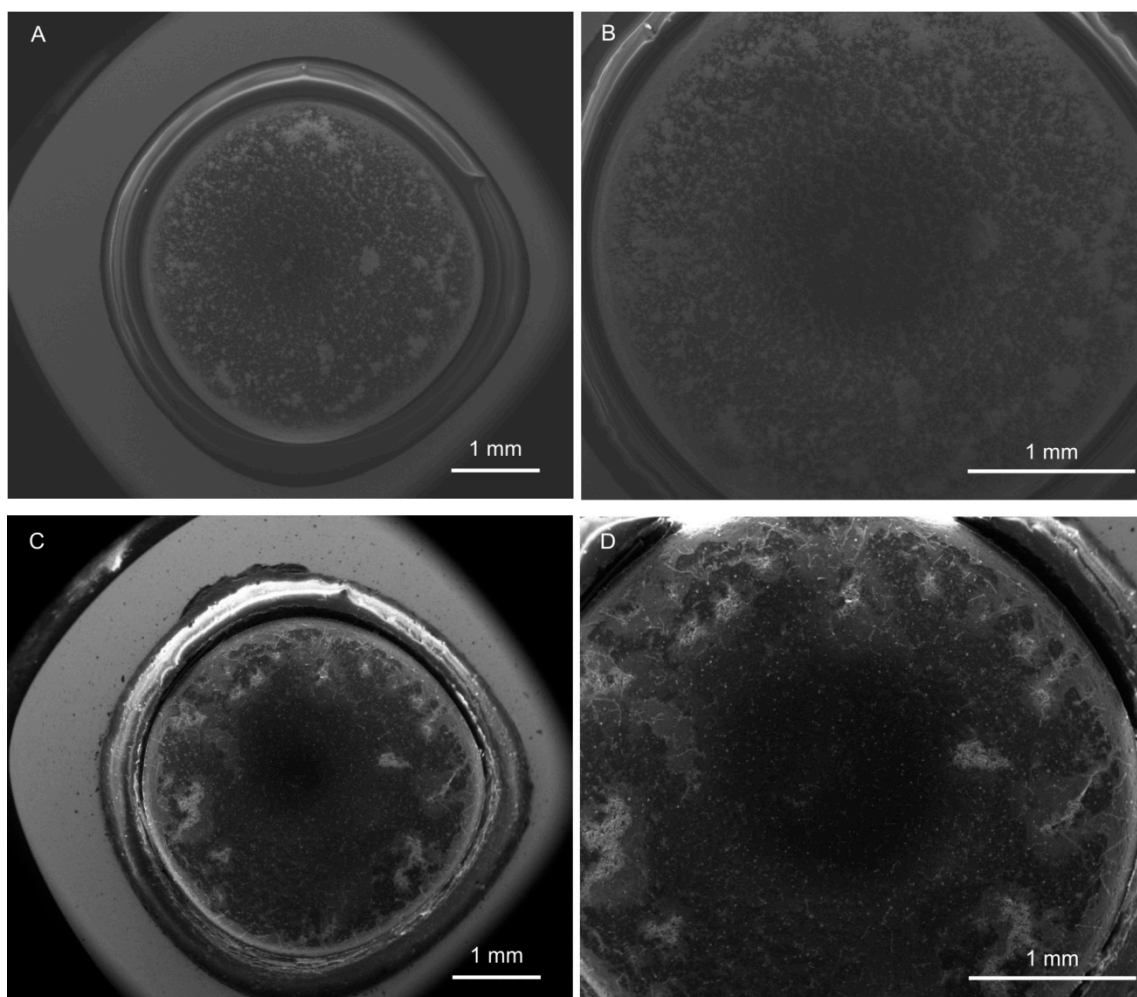


Figure S1. SEM micrographs at different magnifications of $\text{Mn}_x\text{O}_{1+x}$ films on RDE before (A,B) and after (C,D) ADT cycling (5000 cycles at $50 \text{ mV}\cdot\text{s}^{-1}$ between 0.4 and 0.8 V vs. Ag/AgCl, in a 0.5 M H_2SO_4 solution).