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Spin-Coated vs. Electrodeposited Mn Oxide Films as Water Oxidation Catalysts

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Supplementary Materials: Spin-Coated *vs.* Electrodeposited Mn Oxide Films as Water Oxidation Catalysts

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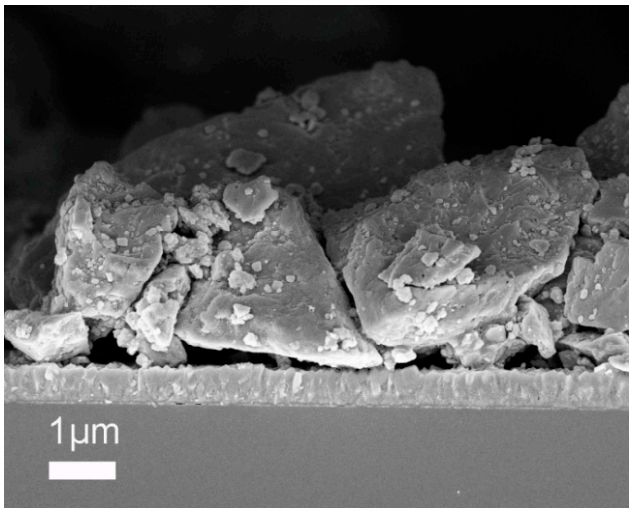

Figure S1. Cross-section FE-SEM image of a spin-coated film made with a non-ball-milled Mn_2O_3 powder.

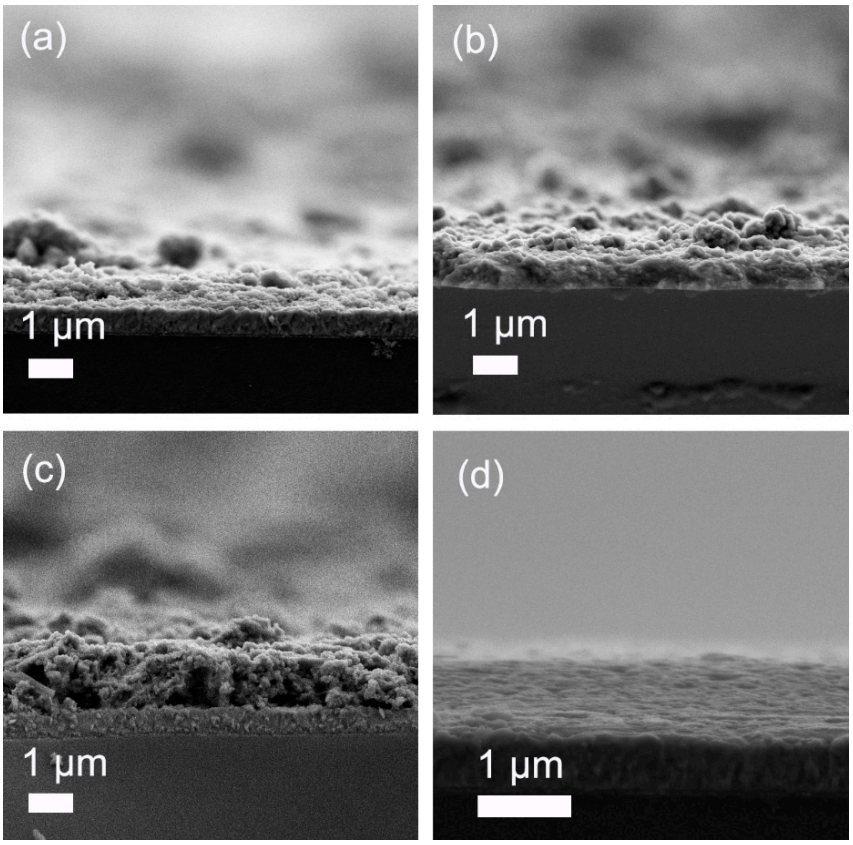

Figure S2. FE-SEM cross-section images of the films prepared by spin-coating of MnO_2 (**a**); Mn_2O_3 (**b**) and Mn_3O_4 (**c**) powders; as-made electrodeposited 5-min film (**d**).

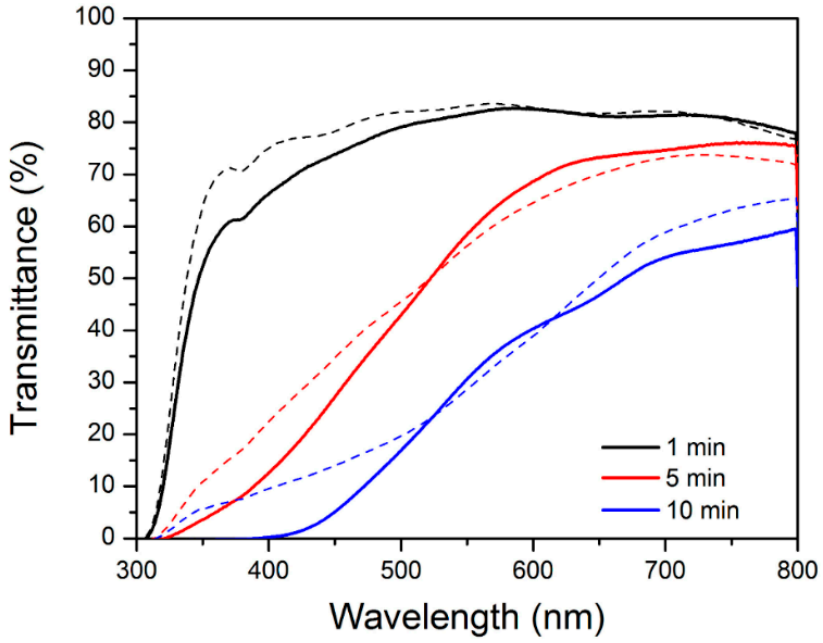

Figure S3. UV-Vis transmittance spectra of the electrodeposited films: as-made (continuous line) and calcined at 500 °C (dotted line).

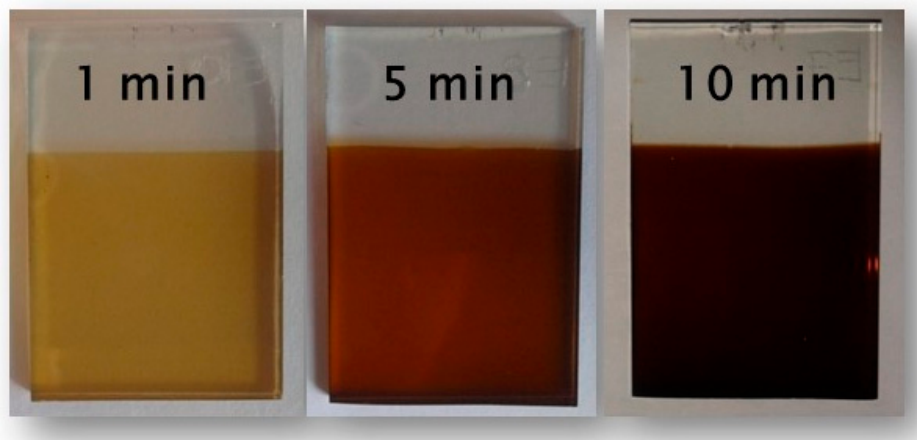

Figure S4. Photographs of the as-made films prepared by electrodeposition at different deposition times.

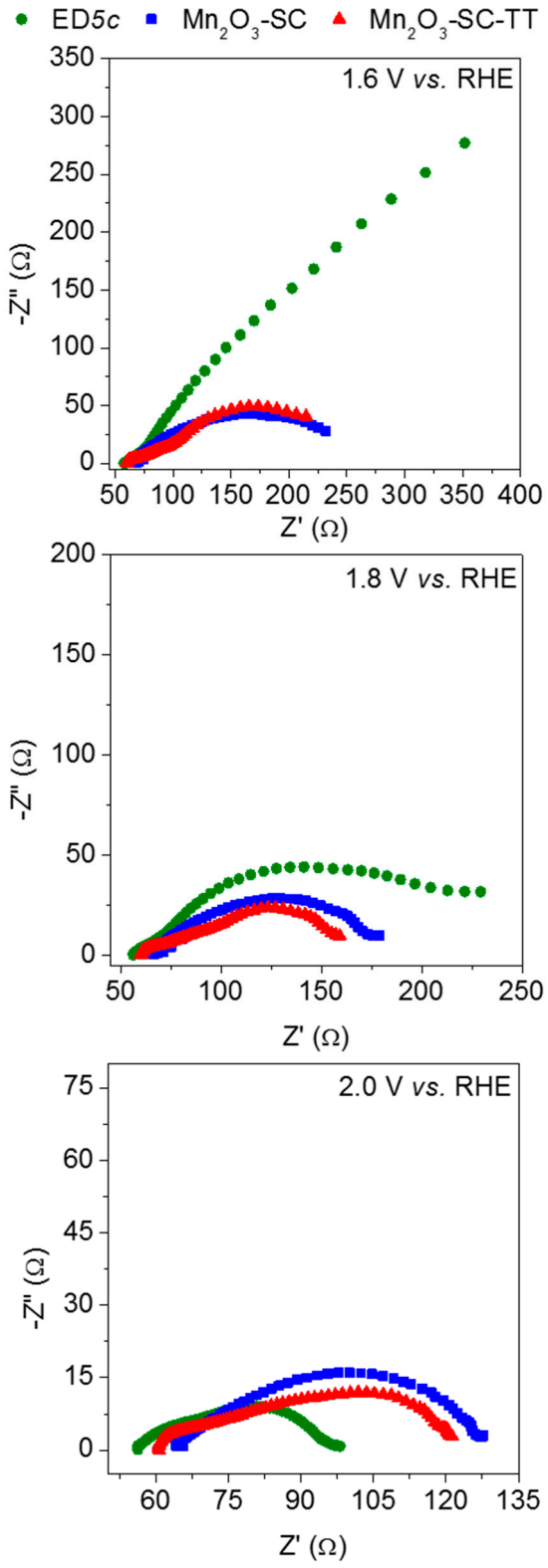

Figure S5. Nyquist plots of the EIS measurements acquired using the α-Mn_2O_3-based electrodes at 1.6, 1.8 and 2.0 V *vs.* RHE.