

Electronic Supporting Information

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Co-electrodeposition of RuO₂-MnO₂ nanowires and the contribution of RuO₂ to the capacitance increase

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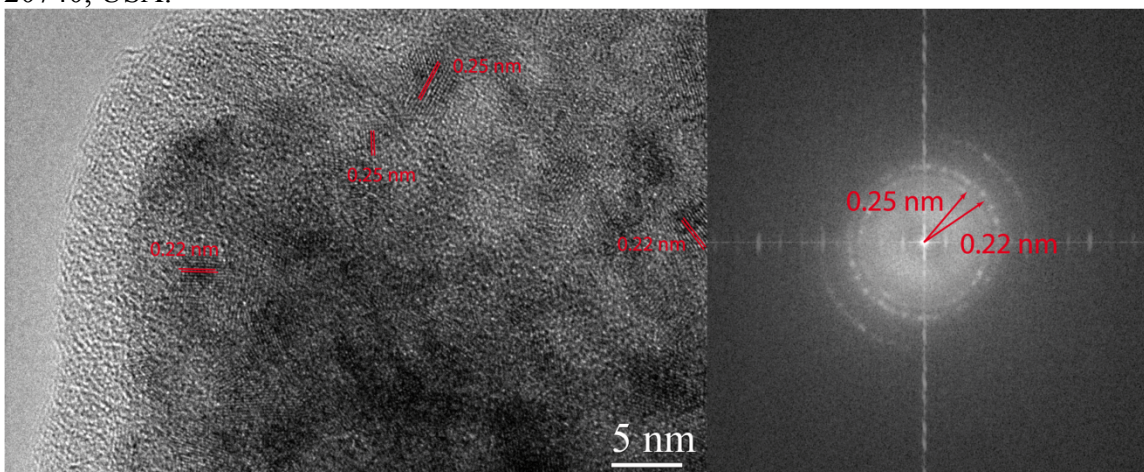


Figure S11. TEM image of the RuO₂-MnO₂ with d-space measured and marked on the TEM images. The corresponding FFT resolved image is shown on the right, same result of d space values are obtained here.

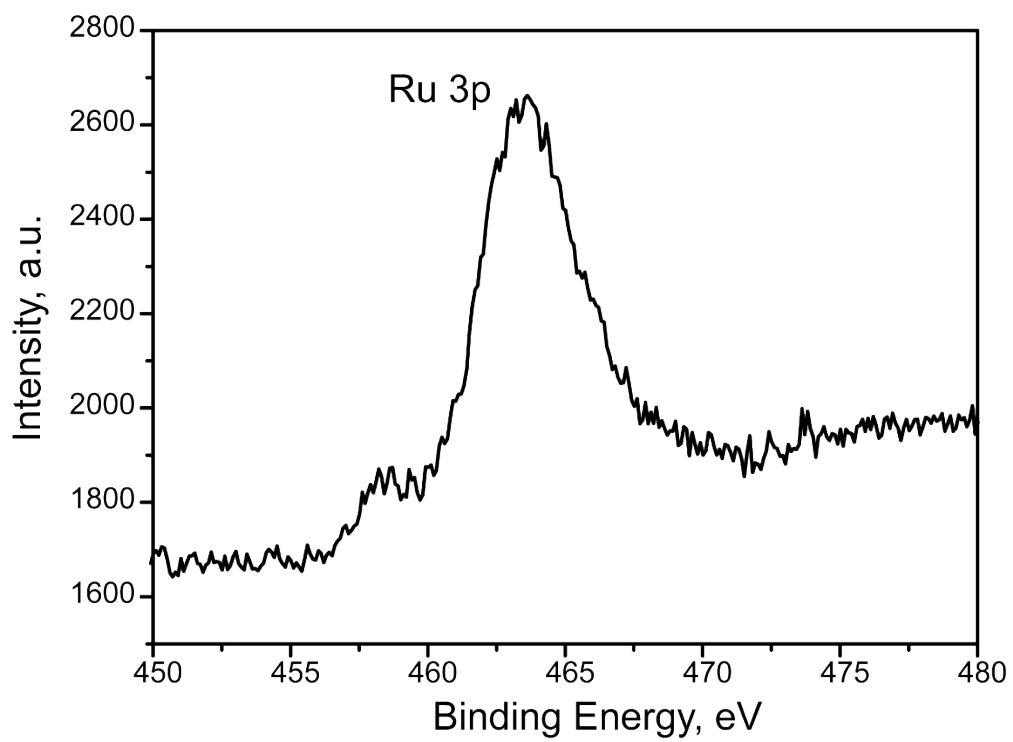


Figure SI2. XPS spectra for Ru 3p in the RuO₂-MnO₂

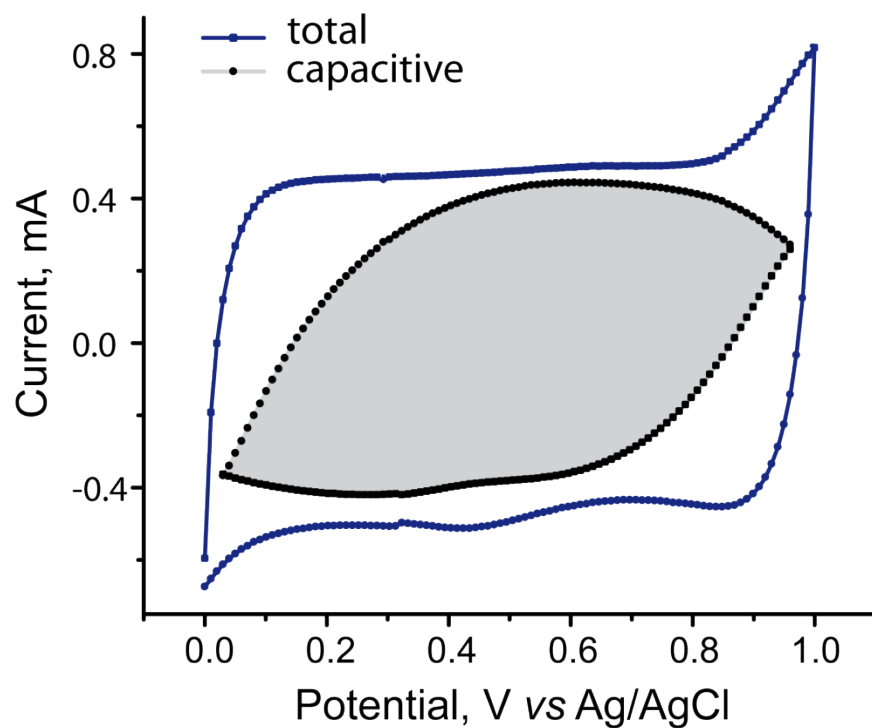


Figure SI3. Voltammetric response at 20 mV/s for the pristine MnO₂ nanowires. The total current (blue curve) is obtained experimentally. The capacitive currents (black curve in gray shadow) are deconvoluted by the Dunn's method. The capacitive capacitance is calculated based on the quantified capacitive voltammetry curve. And the insertion capacitance is derived by the difference between the total and capacitive capacitance.