

Supporting Information

Photoelectrochemical Properties of TiO₂ Nanowire Arrays: A Study of the Dependence on Length and Atomic Layer Deposition Coating

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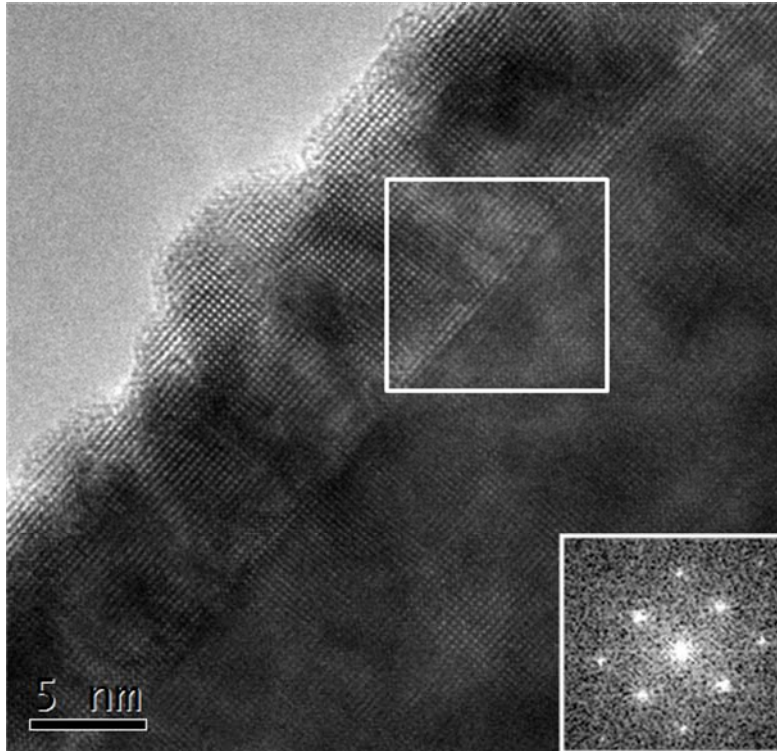


Figure S1. High resolution transmission electron microscope image of a TiO₂ NW with 150 ALD cycles. The inset is the fast Fourier transform (FFT) of the boxed area showing epitaxial growth of the shell at the interface.

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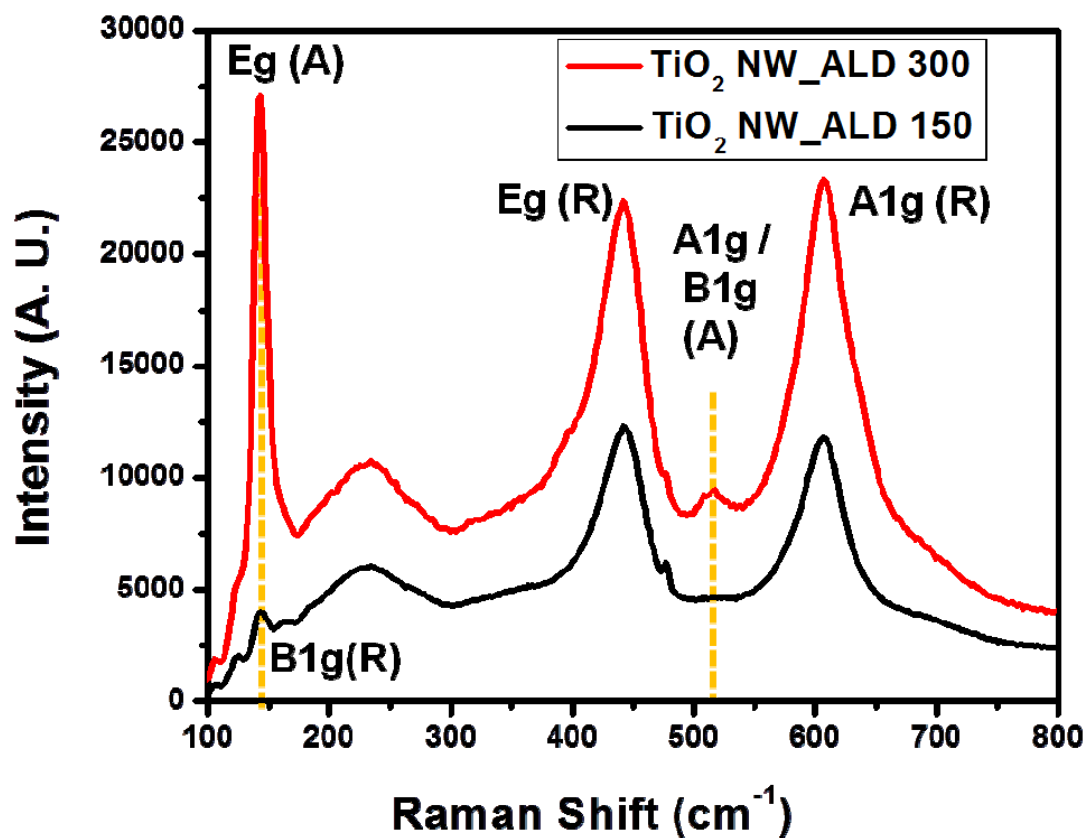


Figure S2. Raman shifts TiO₂ nanowires with 150 (black) and 300 ALD cycles (red). The peaks at 140 cm⁻¹, 441 cm⁻¹ and 606 cm⁻¹ are associated with the rutile B_{1g}, E_g, and A_{1g} modes respectively. The peaks at 141 cm⁻¹ and 515 cm⁻¹, for nanowires with 300 ALD cycles, are associated with the E_g and A_{1g}/B_{1g} modes of the anatase phase.