

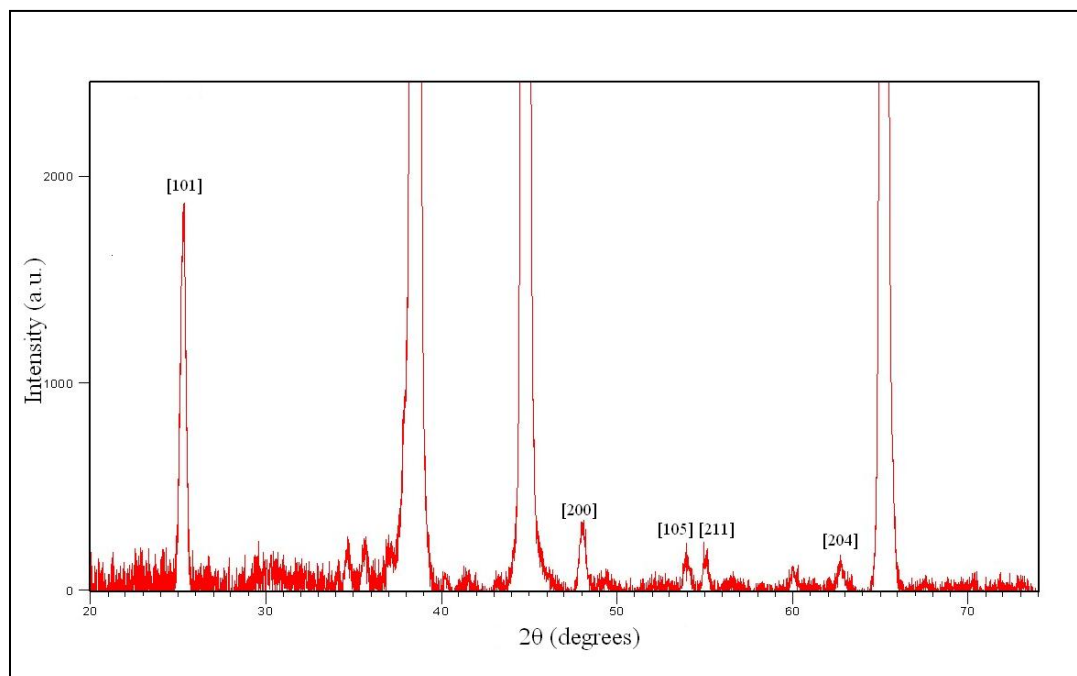
Electronic Supplementary Information

Electrochemical Elaboration of Electrodes and Electrolytes for 3D Structured Batteries

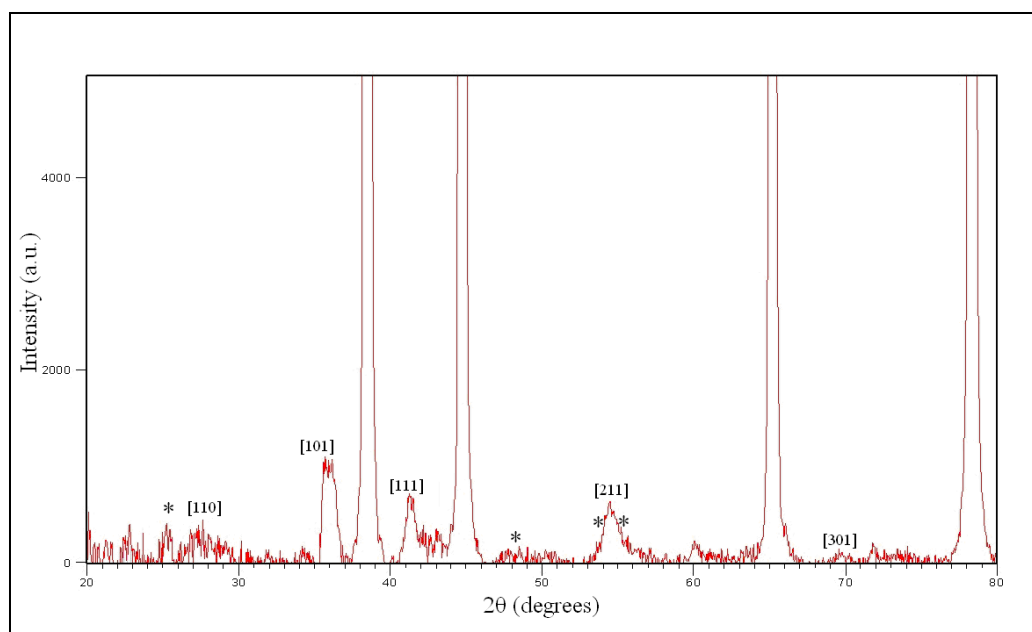
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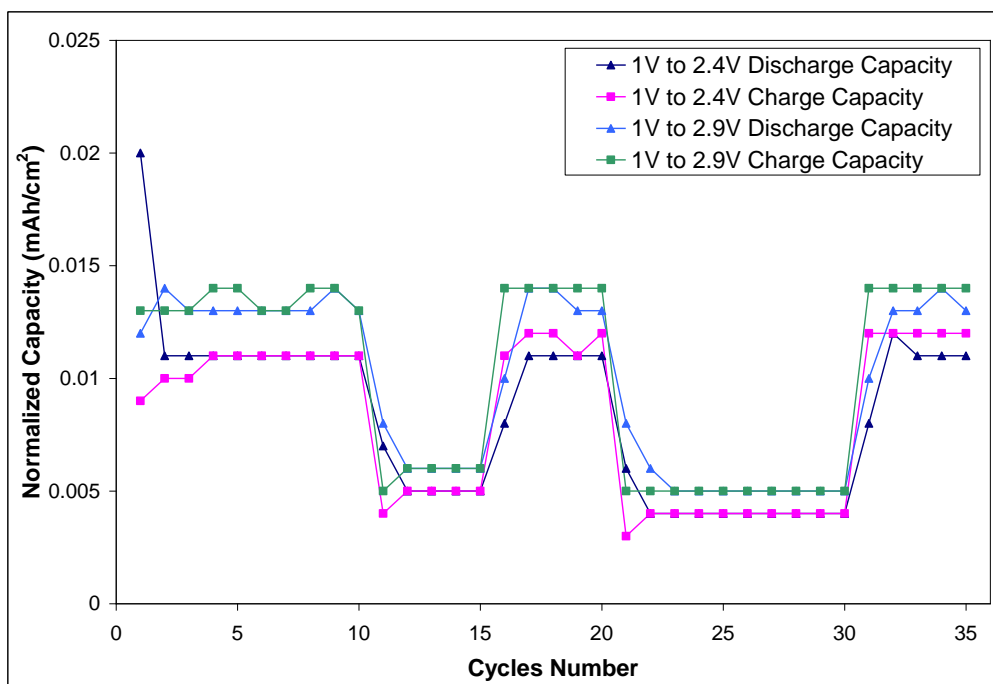
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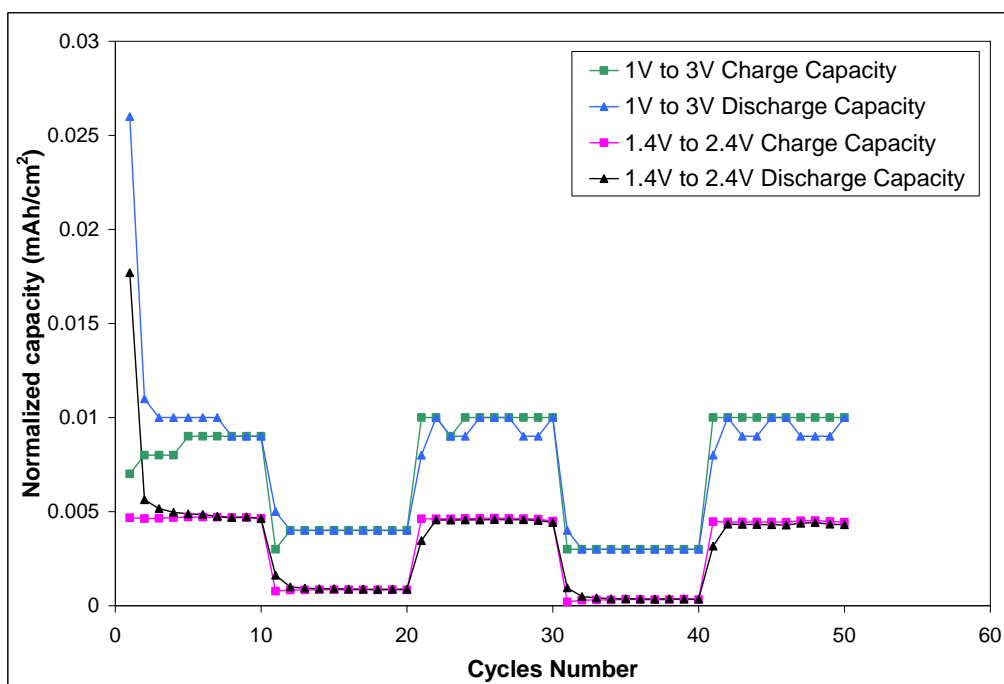
S1 A XRD diffractogram of Al nano-rods deposited with TiO₂ at 200°C of reaction temperature for 150 cycles. The peaks of TiO₂ (Anatase phase) are indexed.



S1 B XRD diffractogram of Al nano-rods deposited with TiO_2 at 300°C of reaction temperature for 75 cycles. The peaks of TiO_2 (Rutile phase) are indexed. * are the peaks position of TiO_2 anatase phase.



S2 A Evolution of capacity and rate capability as a function of cycle number and the cycling current. Two different range of cycling voltages, 1 V to 2.4 V and 1 V to 2.9 V were used. The electrode active material was deposited with ALD method at 200°C for 150 cycles.



S2 B Evolution of capacity and rate capability as a function of cycle number and the cycling current. Two different range of cycling voltages, 1 V to 3 V and 1.4 V to 2.4 V were used. The electrode active material was deposited with ALD method at 300°C for 75 cycles.