

Supporting Information

Self-assembled epitaxial cathode-electrolyte nanocomposites for 3D micro-batteries

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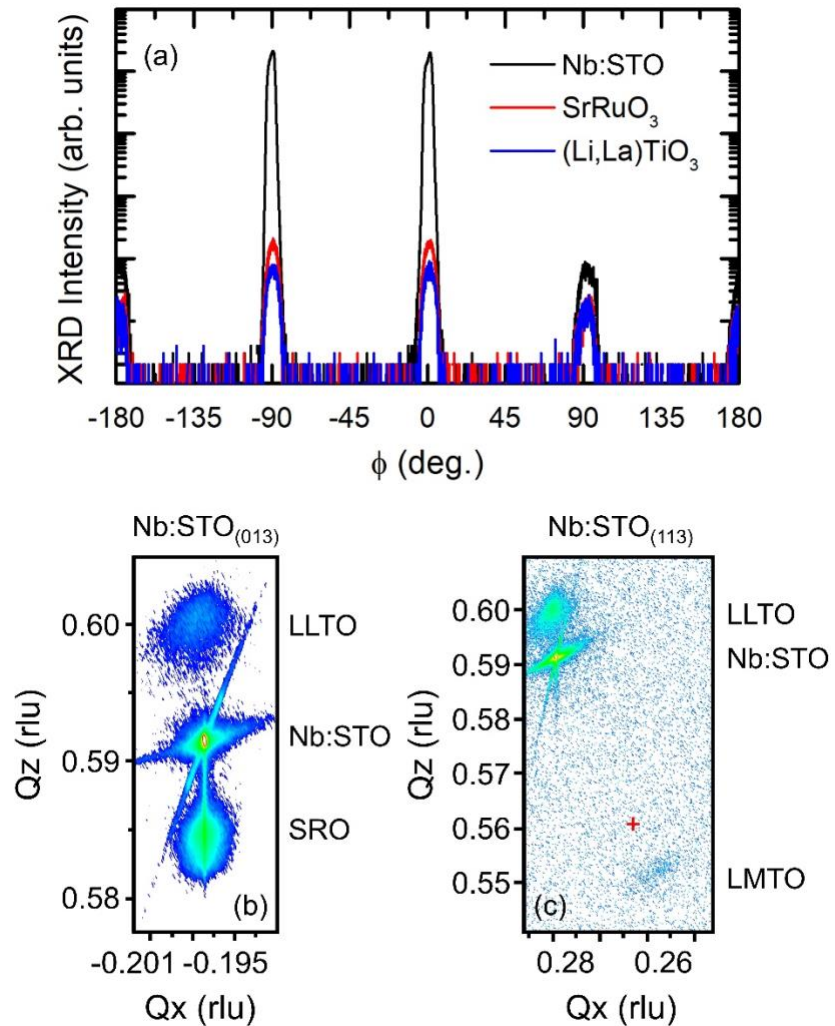


Figure S1. (a) In-plane XRD measurements of the LMO-LLTO VAN grown on STO(100), for the (013) plane. Peaks of the Nb:STO, SrRuO₃ and (Li,La)TiO₃ are indicated respectively in black, red and blue. (b) Reciprocal space map graph obtained for the same film at the Nb:STO(013) plane highlighting the LLTO, Nb:STO and SRO peaks. (c) RMS graphs obtained at the STO (113), the red cross indicates the position expected for the relaxed bulk LMO.

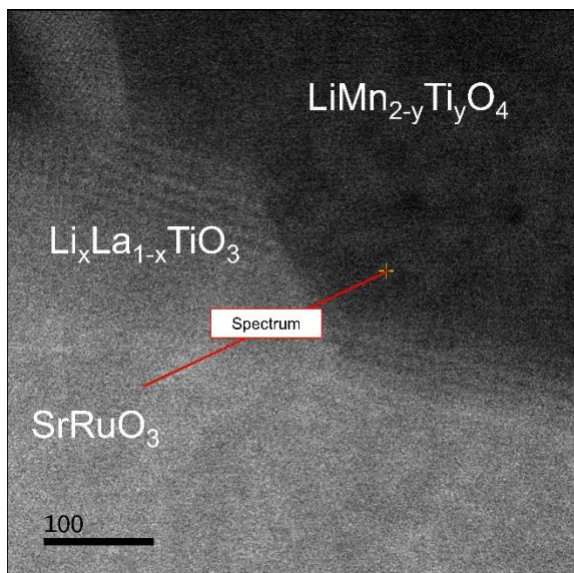


Figure S2. EELS analysis for the LMO-LLTO VAN grown on Nb:STO(100) showed in Figure 3d was performed on the profile highlighted in red.

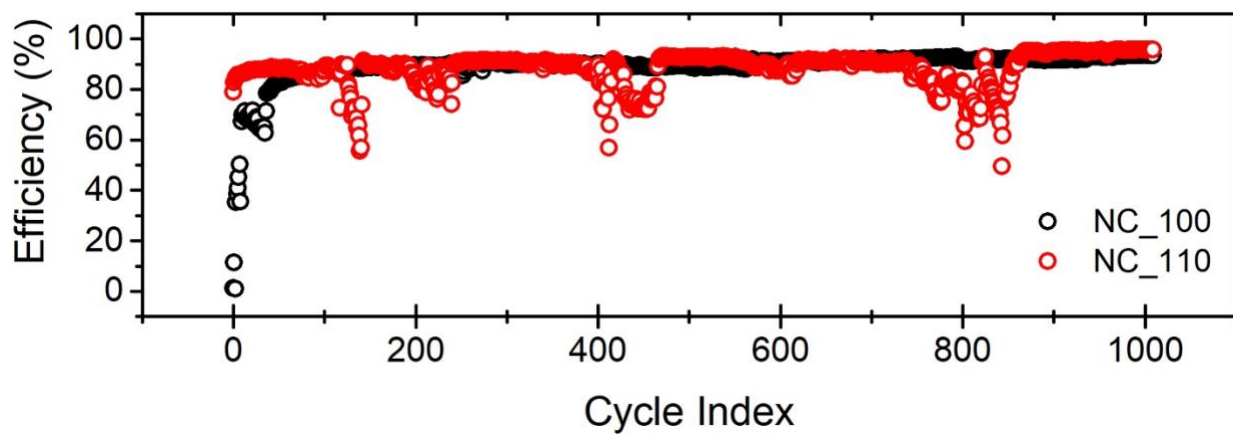


Figure S3. Coulombic efficiency given for a thousand cycles for the LMO-LLTO VAN grown on both crystallographic Nb:STO orientations.