

Supporting Information

CNTs/LiV₃O₈/Y₂O₃ Composites with Enhanced Electrochemical Performances as Cathode Materials for Rechargeable Solid-State Lithium Metal Battery

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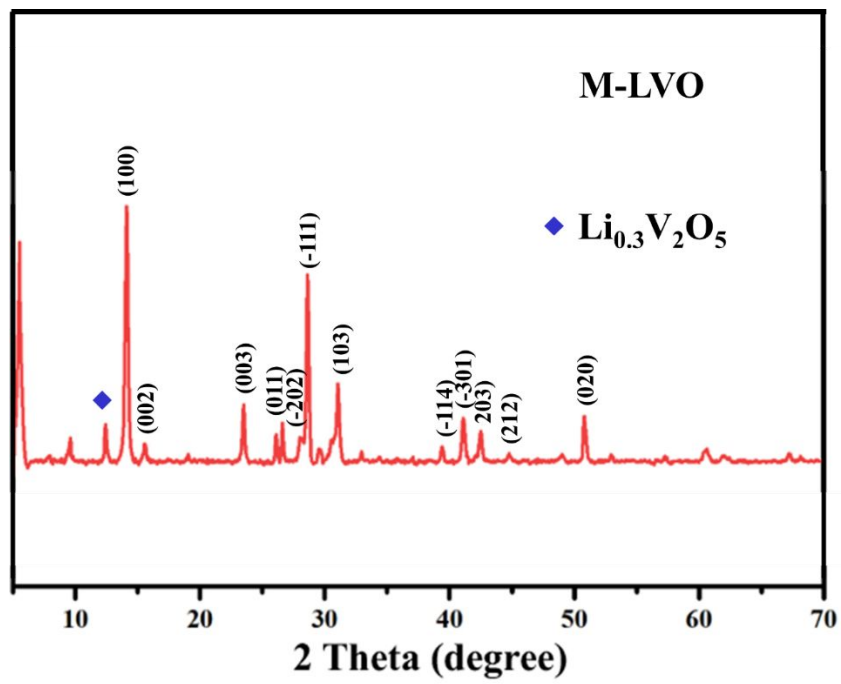


Figure S1: XRD patterns of M-LVO

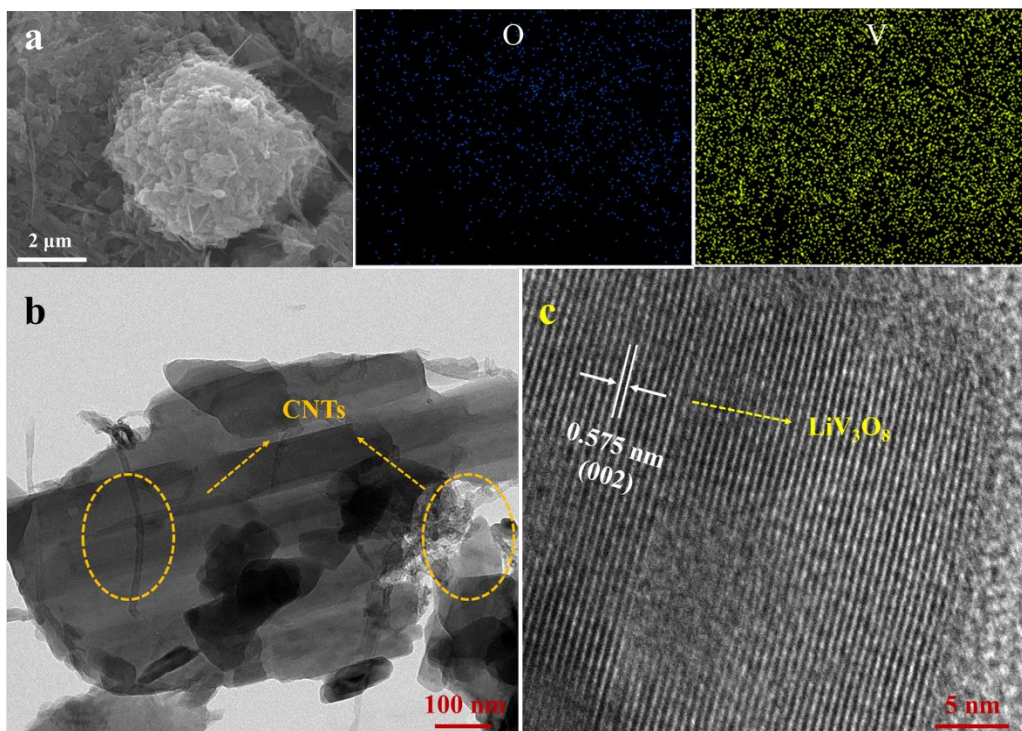


Figure S2: a) SEM images of M-LVO; The accompanying diagram is the corresponding EDS elemental mapping; b, c) TEM and HRTEM images of M-LVO

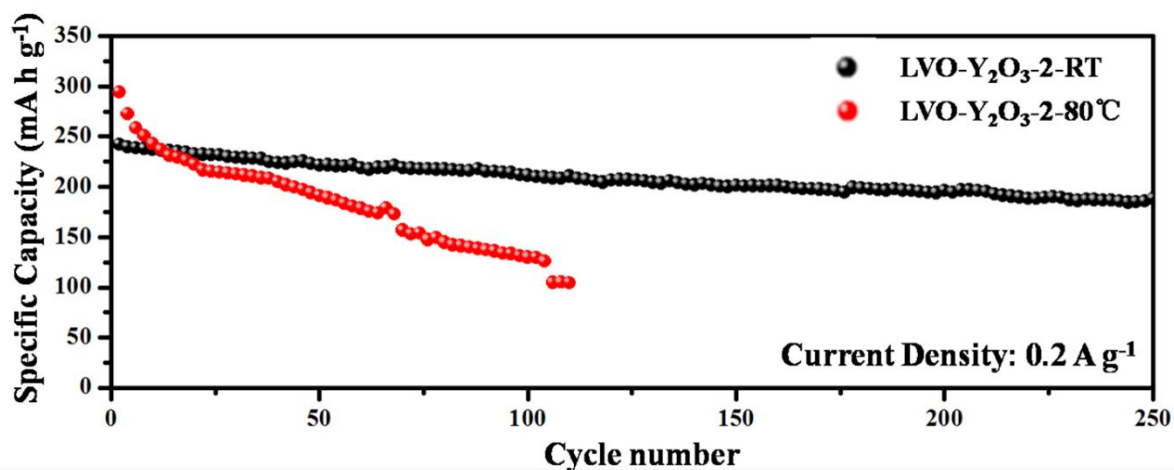


Figure S3: Cycling performance of M-LVO-Y-2 electrodes in liquid Li metal battery between room temperature and 80 °C at the current density of 0.2 A g⁻¹.

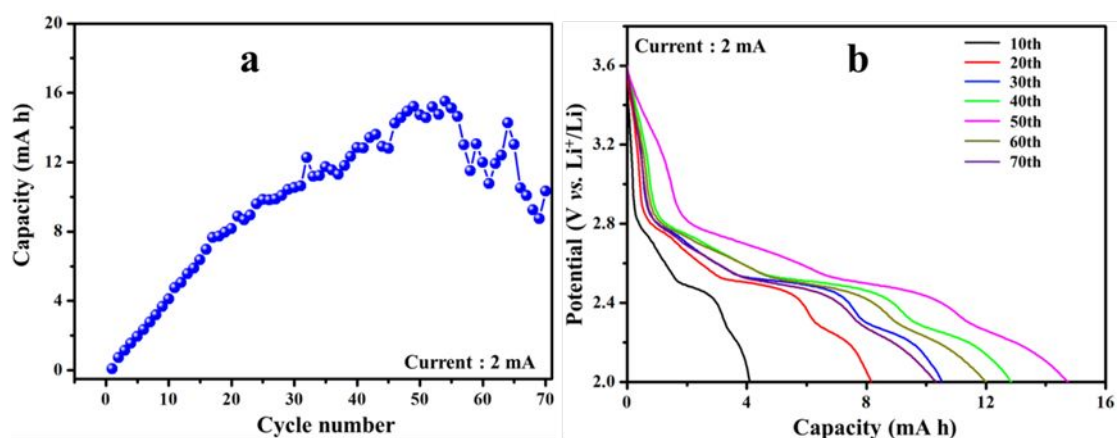


Figure S4. a) Cycle performance of M-LVO-Y-2 electrodes with the extremely high piece quality under the operation temperature of 80 °C in PEO-based SSLMB at the current of 2 mA; b) Galvanostatic discharge curves of M-LVO-Y-2 electrodes at different cycles.