

Supporting Information for

Tailored highly cycling performance in solid polymer electrolyte with perovskite-type $\text{Li}_{0.33}\text{La}_{0.557}\text{TiO}_3$ nanofibers for all-solid-state lithium ion battery

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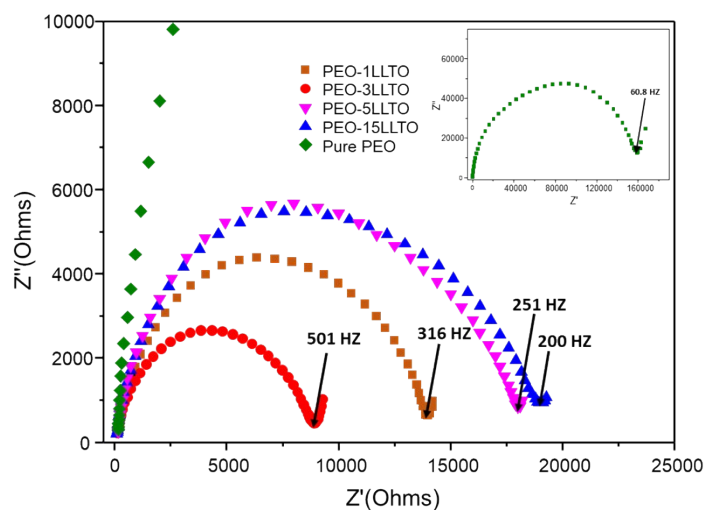


Figure S1. EIS results of PEO and composite electrolytes with different LLTO nanofiber amount at room temperature (the inset is the individual EIS figure for the Pure PEO electrolyte).

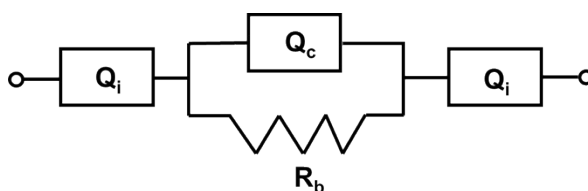


Figure S2. Equivalent circuit used for EIS data fitting of SS/CPEs/SS symmetric cells.

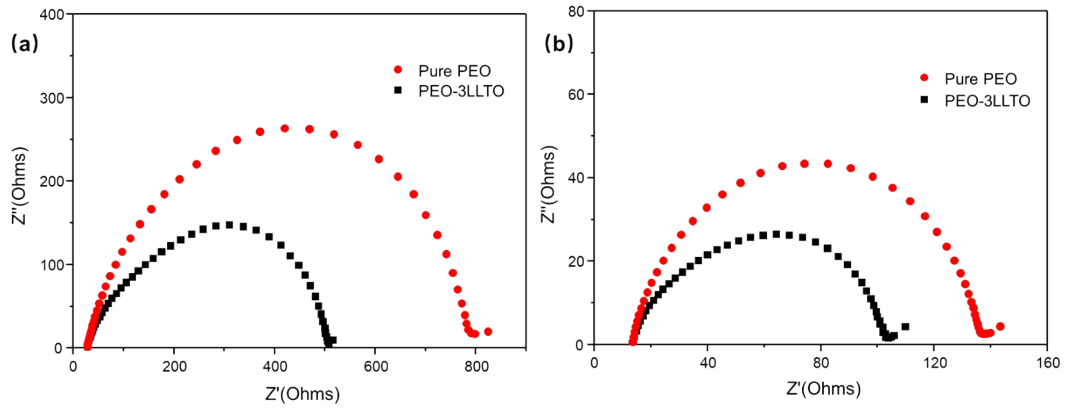


Figure S3. Electrochemical impedance spectra of Li/PEO/Li and Li/PEO-3LLTO/Li symmetric cells obtained at (a) 60°C and (b) 80°C after polarization.

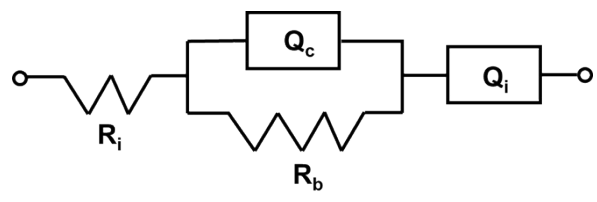


Figure S4. Equivalent circuit used for EIS data fitting of Li/CPEs/Li symmetric cells.