

Supplementary materials

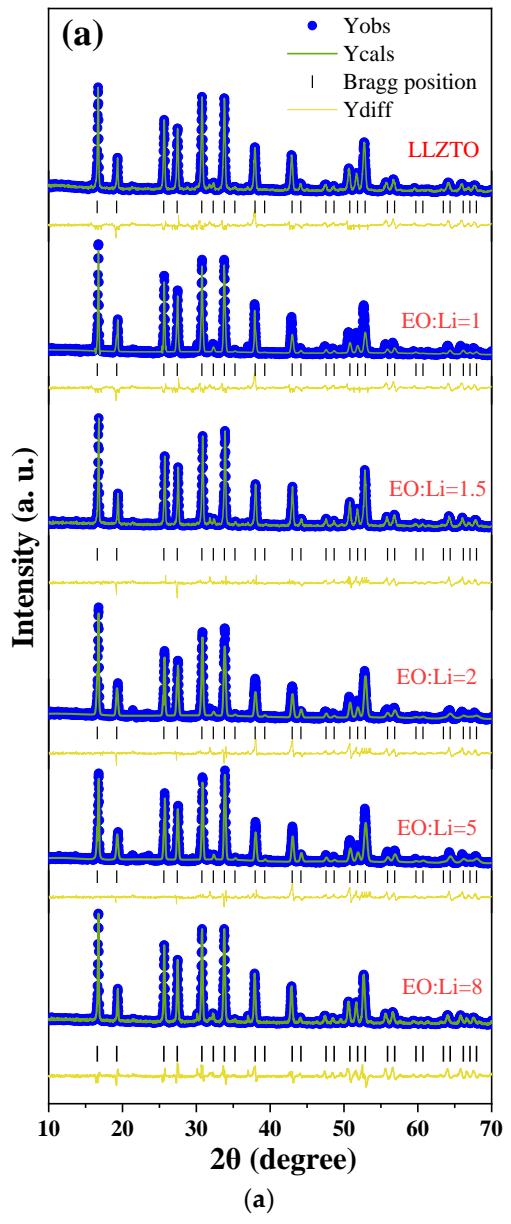
Cold Sintering of Li_{6.4}La₃Zr_{1.4}Ta_{0.6}O₁₂/PEO Composite Solid Electrolytes

Binlang He¹, Shenglin Kang¹, Xuetong Zhao^{1,*}, Jiexin Zhang¹, Xilin Wang², Yang Yang¹, Lijun Yang¹ and Ruijin Liao¹

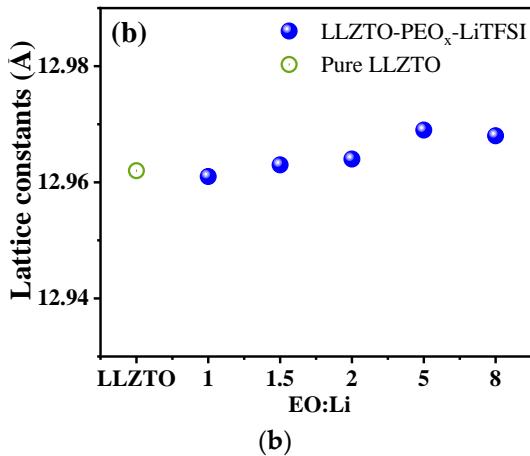
¹ State Key Laboratory of Power Transmission Equipment & System Security and New Technology, Chongqing University, Chongqing 400044, China

² Tsinghua Shenzhen International Graduate School, Tsinghua University, Shenzhen 518055, China

* Correspondence: zxt201314@cqu.edu.cn



(a)



(b)

Figure S1. (a) Rietveld refinement results of XRD patterns for LLZTO-PEO_x-LiTFSI, (b) Lattice constants of the cold-sintered LLZTO composite electrolytes.

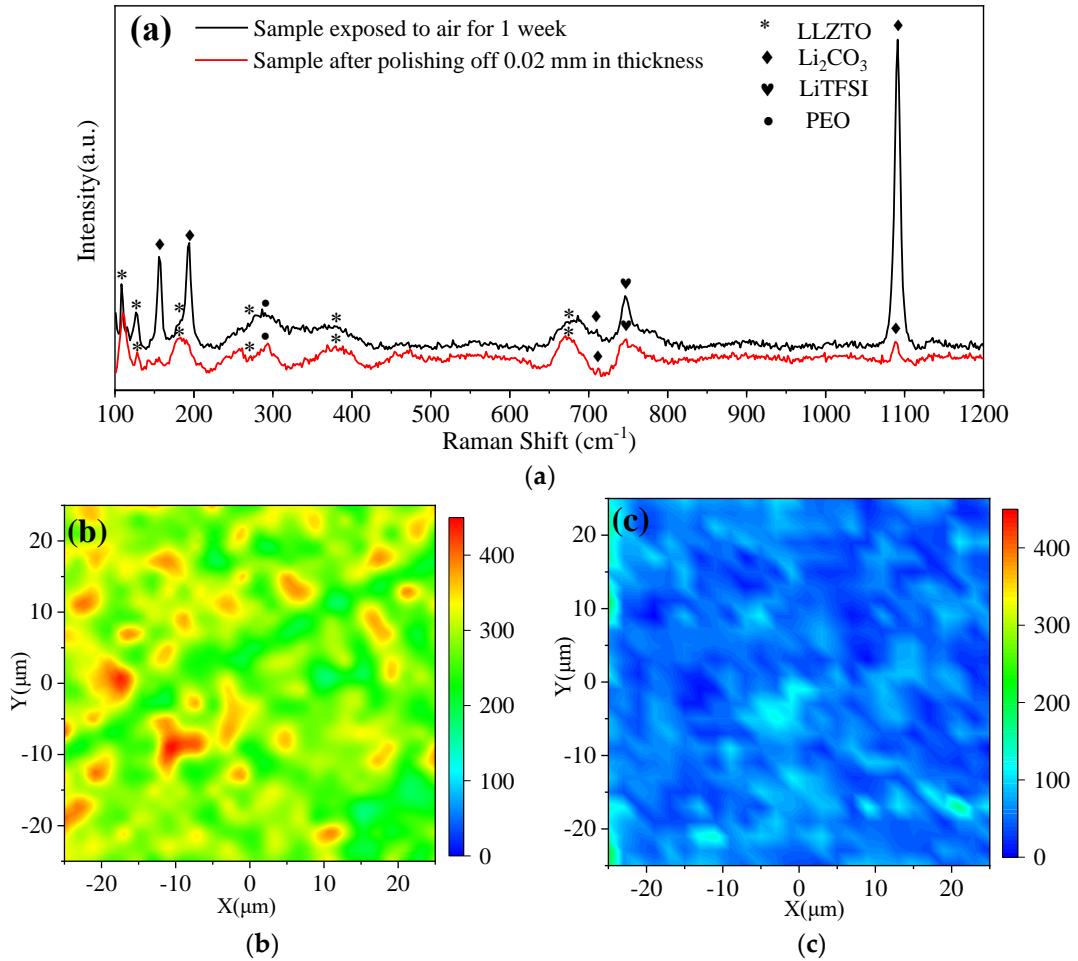


Figure S2. (a) Typical Raman spectra of the air-exposed LLZTO-PEO₂-LiTFSI sample before and after being polished, Raman mapping images of the (b) air-exposed LLZTO-PEO₂-LiTFSI before being polished and (c) after being polished.