Electronic Supplementary Information

for

PEO Infiltration of Porous Garnet-Type Lithium-Conducting Solid Electrolyte Thin Films

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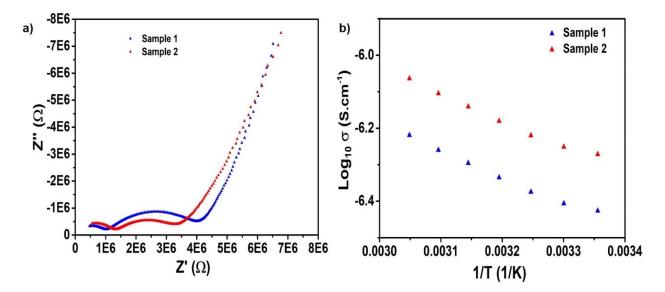


Figure S1: a) Nyquist plot for two different infiltrated cubic Al-doped garnet films measured at 298 K. b) Temperature dependent Arrhenius plot measured for the two different Al-doped garnet films measured in the temperature range of 298 K to 328 K

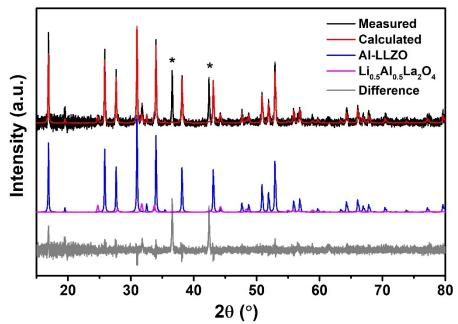


Figure S2: Rietveld fit of the X-ray diffractogram of the Al-doped LLZO garnet thin film annealed for 240 minutes

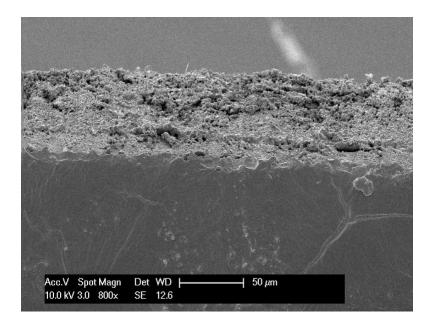


Figure S3: Cross sectional view of the garnet thin film.

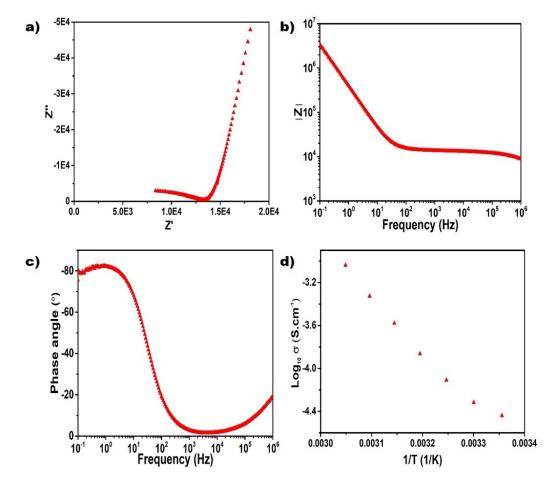


Figure S4: Impedance measurements carried out for the PEO thin film at 298 K

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