Supporting information

NASICON-type $Li_{1+x}Al_xZr_yTi_{2-x-y}(PO_4)_3$ solid electrolytes: effect of Al, Zr co-doping and synthesis method

Irina Stenina *, Anastasia Pyrkova and Andrey Yaroslavtsev

Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Leninsky prospekt 31, Moscow 119991, Russia; ab.bocharova@mail.ru (A.P.); yaroslav@igic.ras.ru (A.Y.)

* *Correspondence: stenina@igic.ras.ru, Tel.: +7(495)7756585*

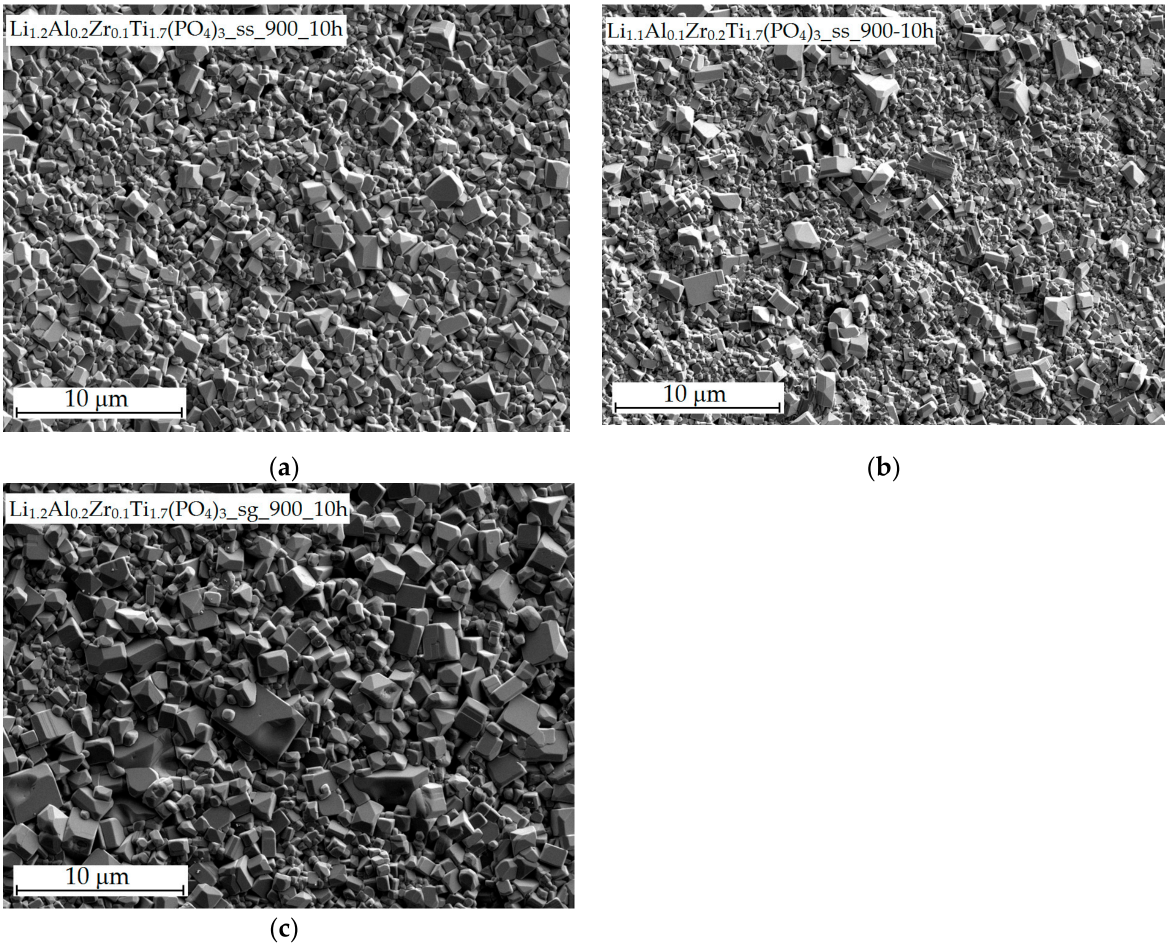

Figure S1. SEM images of surfaces of $Li_{1.2}Al_{0.2}Zr_{0.1}Ti_{1.7}(PO_4)_3$_ss_900-10h (a), $Li_{1.1}Al_{0.1}Zr_{0.2}Ti_{1.7}(PO_4)_3$_ss_900-10h (b), $Li_{1.2}Al_{0.2}Zr_{0.1}Ti_{1.7}(PO_4)_3$_sg_900-10h (c).

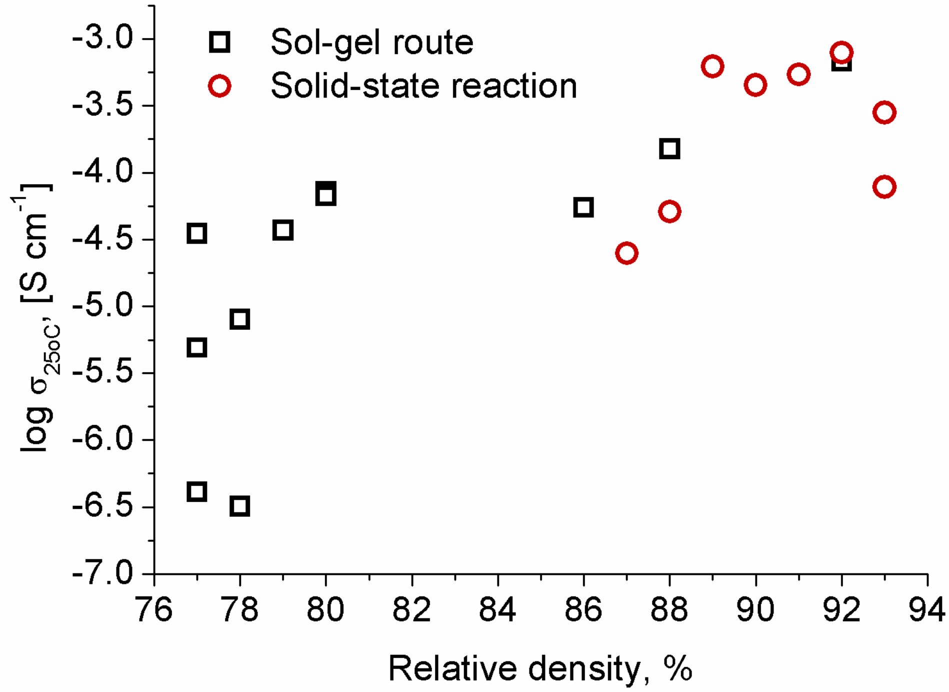

Figure S2. The dependence of the total conductivity at 25 °C on relative density for the $Li_{1+x}Al_xZr_yTi_{2-x-y}(PO_4)_3$ ($0 \leq x, y \leq 0.2$) samples.

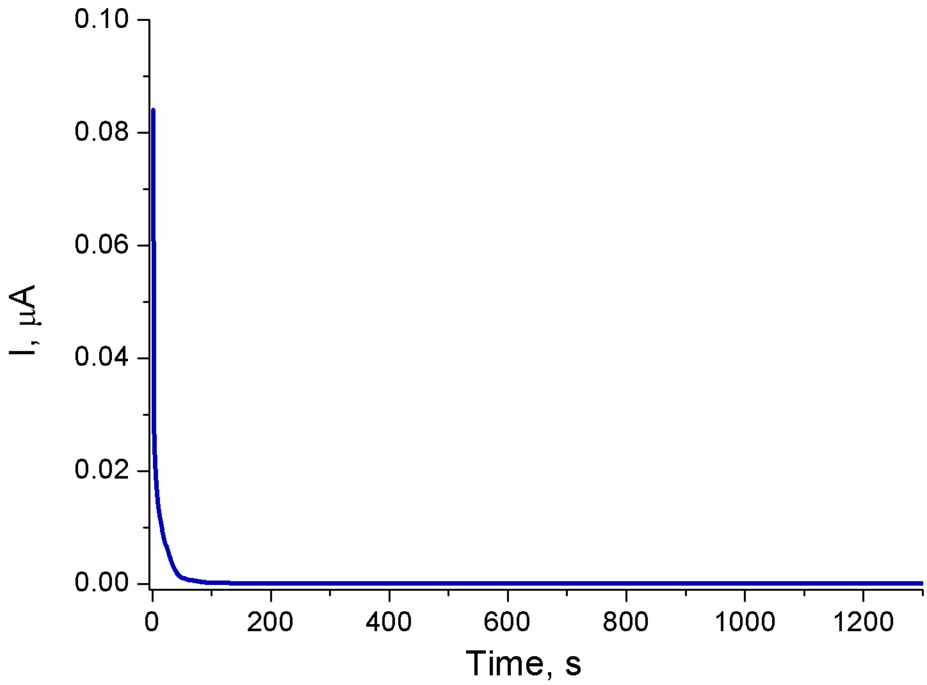

Figure S3. The dependence of polarization current on time for the $Li_{1.2}Al_{0.2}Zr_{0.1}Ti_{1.7}(PO_4)_3$_ss_900-10h sample.