

Supplementary Information

The Effect of Grain Size on the Mechanical and Electrochemical Stability of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ Solid-State Electrolyte

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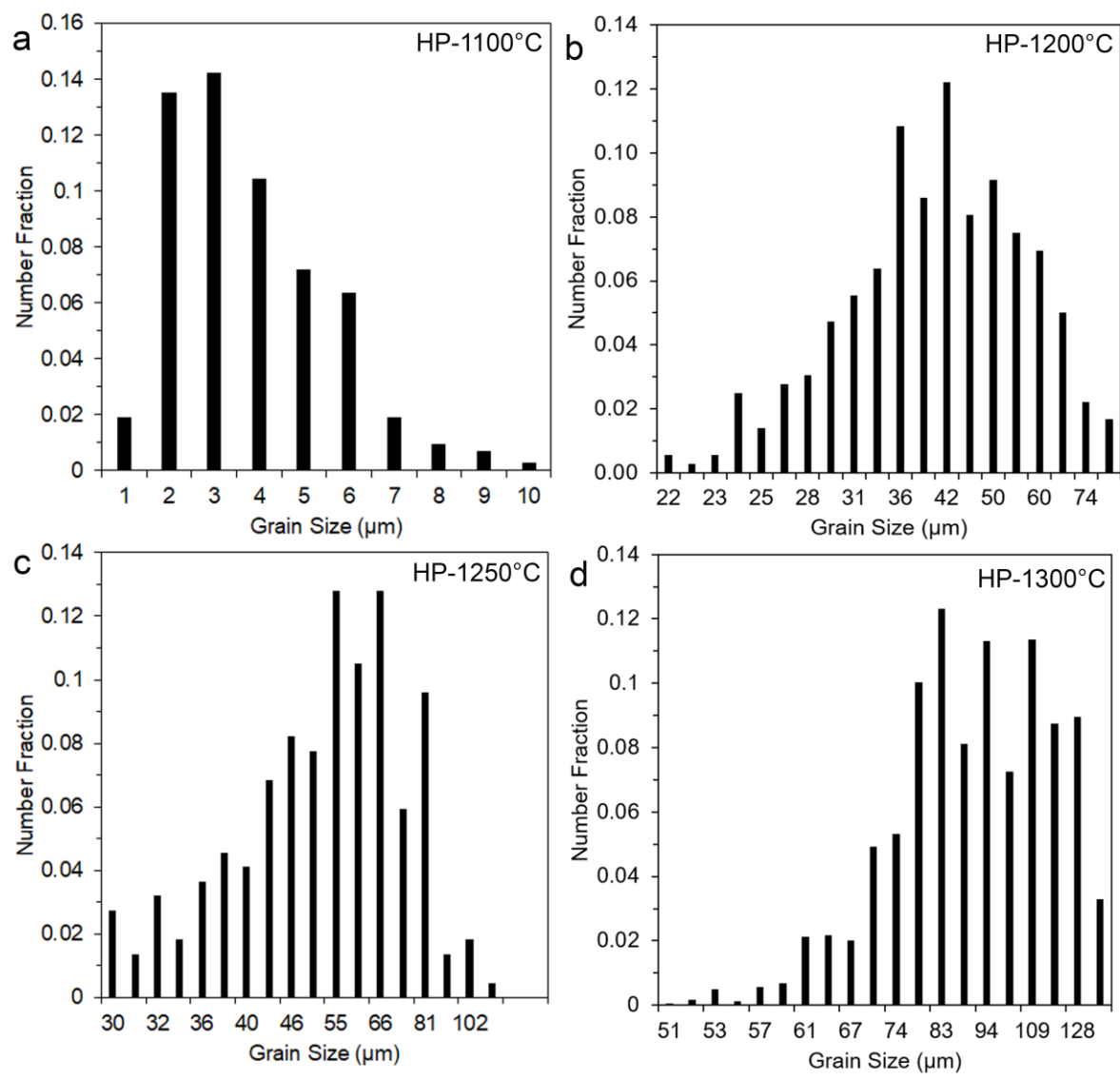


Fig. S1 Corresponding histograms and probability distribution curves of grain sizes obtained from EBSD analysis on LLZO pellets: a) HT-1100°C, b) HP-1200°C, c) HP-1250°C and d) HP-1300°C.

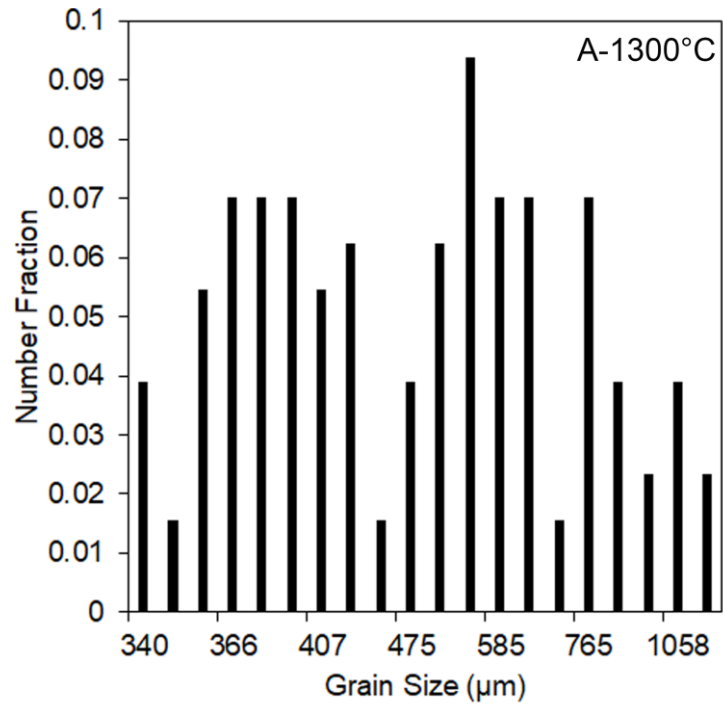


Fig.S2 Corresponding histograms and probability distribution curves of grain sizes obtained from EBSD analysis on A-1300°C LLZO pellet.

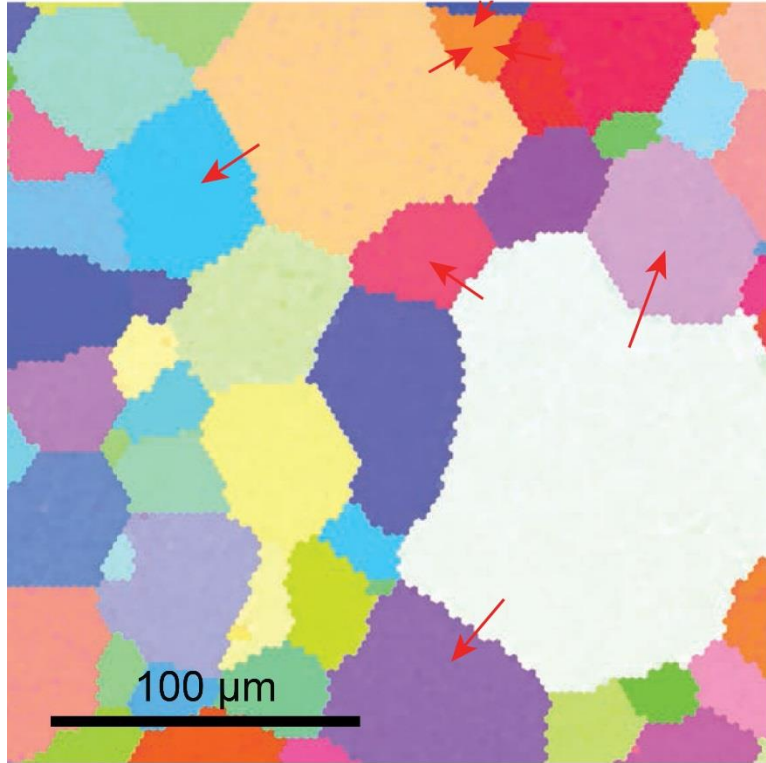


Fig. S3 Representative EBSD orientation map of HP-1250°C LLZO highlighting projected grain boundary trajectories during grain growth.