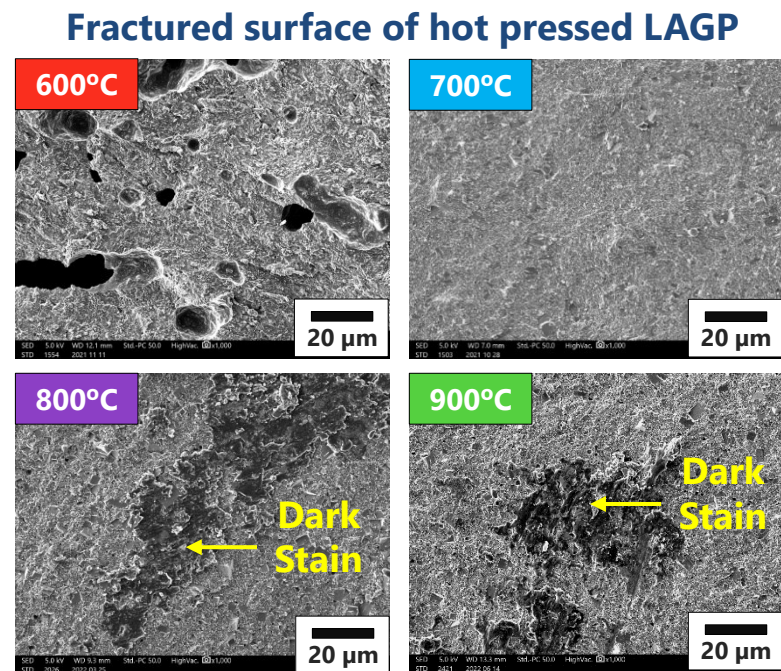
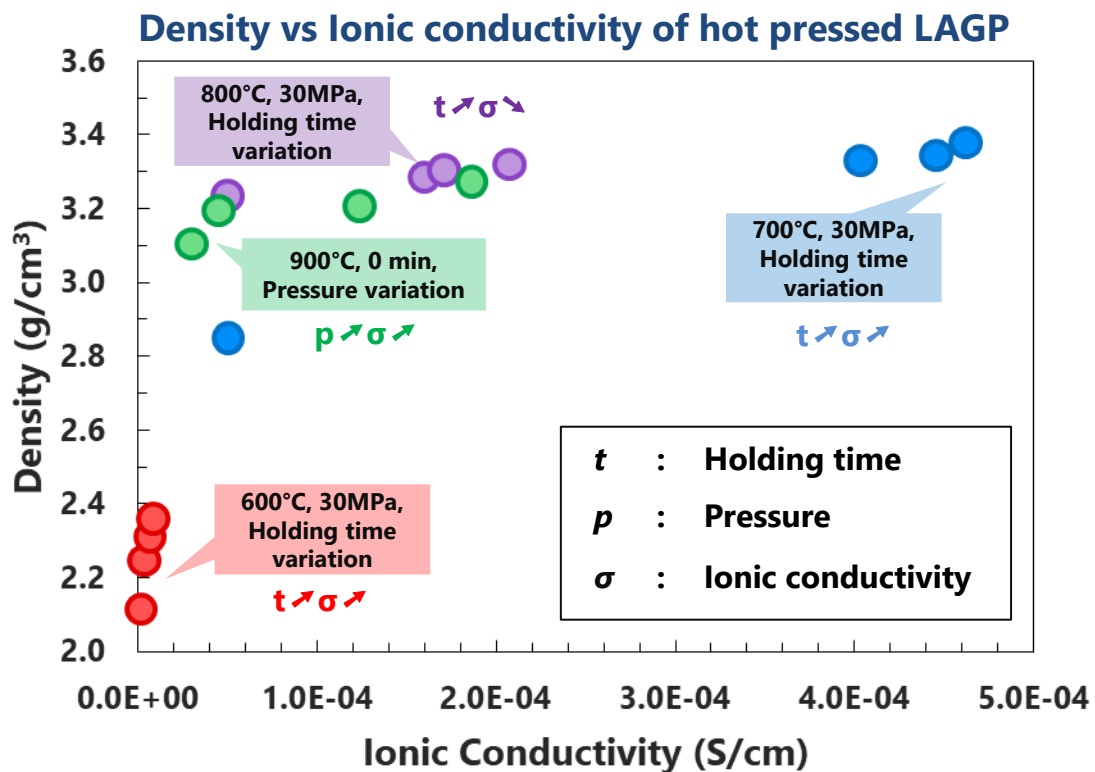


Purpose : Clarifying the relationship between microstructure & ionic conductivity of $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ge}_{1.5}(\text{PO}_4)_3$ (LAGP) sintered by hot pressing.



- Result :**
- The increase of holding time & applied pressure tended to improve both density and ionic conductivity.
 - The highest ionic conductivity of 4.6×10^{-4} S/cm was achieved at 700°C for 120 min with 30 MPa.
 - Dark stain, which was supposed to deteriorate ionic conductivity, were observed in the sample sintered at higher temperature of 800°C and 900°C.