

Figure S1. Rietveld refinement plots of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ at high temperature.

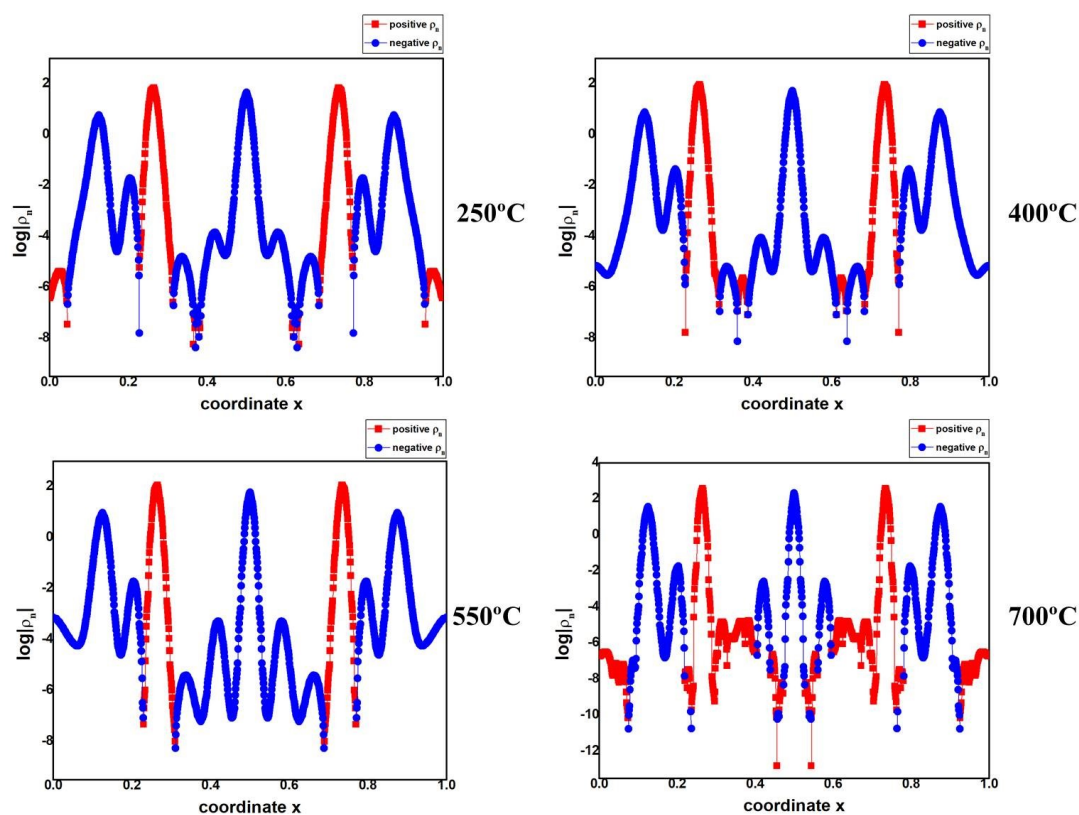


Figure S2. Nuclear density distribution of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ from fractional Cartesian coordinate (0,0,0) to (1,1,1) at 250 °C, 400 °C, 550 °C, 700 °C.

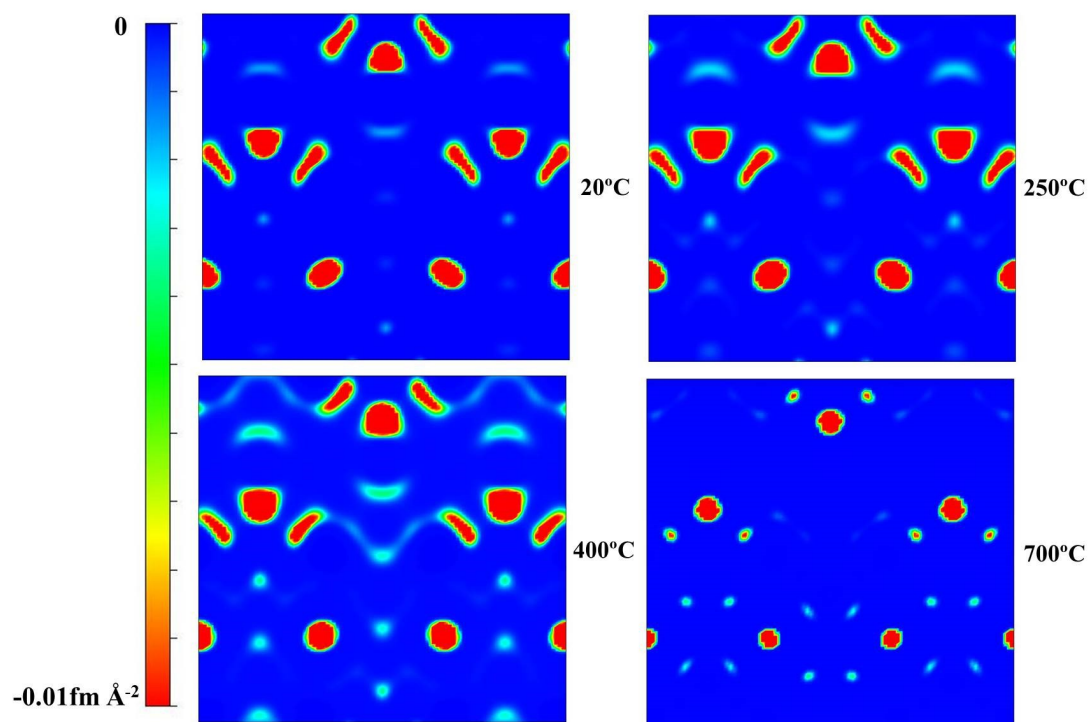


Figure S3. Two-dimensional scattering density map at (101) face of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ at 20 °C, 250 °C, 400 °C, 700 °C.