

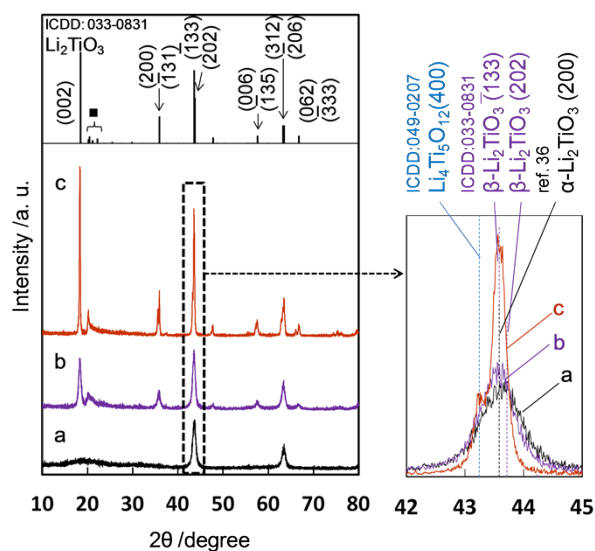
## Electric Supplementary Information (ESI)

### Basicity-controlled Synthesis of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Nanocrystals by a Solvothermal Method

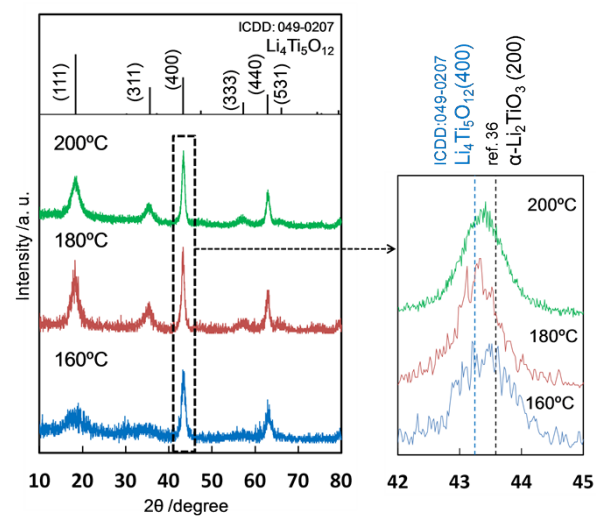
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**Figure S1** XRD patterns of the Li-Ti-O precursor obtained in the first step of method I (a), the calcined one at 500°C for 3 h (b), and at 700°C for 3 h(c). The top of this figure shows a diffraction pattern of  $\beta\text{-Li}_2\text{TiO}_3$  (ICDD: 033-0831). ■ (020), (110), (-111), and (021) planes for  $\beta\text{-Li}_2\text{TiO}_3$  appear in the  $2\theta$  range.



**Figure S2** XRD patterns of products prepared by the one-step two-phase solvothermal process (method II) at a variety of reaction temperatures for 24 h.