

Supplementary Information for

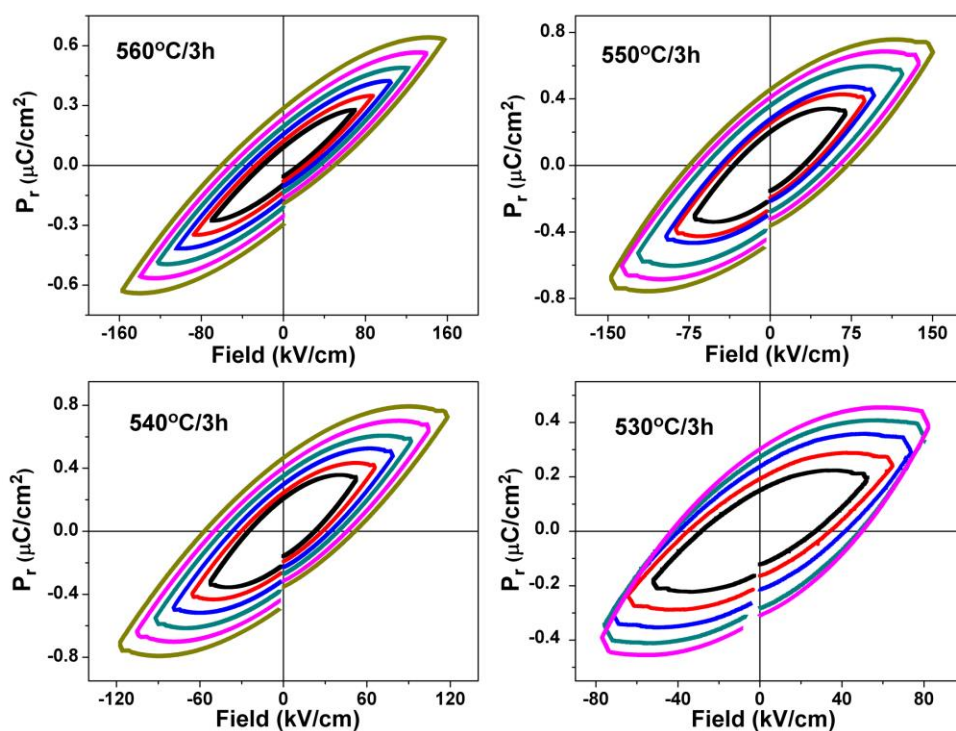
## Pyroelectric and Second Harmonic Response from LiTaO<sub>3</sub> Nanocrystallites Evolved in Li<sub>2</sub>O–B<sub>2</sub>O<sub>3</sub>–Ta<sub>2</sub>O<sub>5</sub> Glass System

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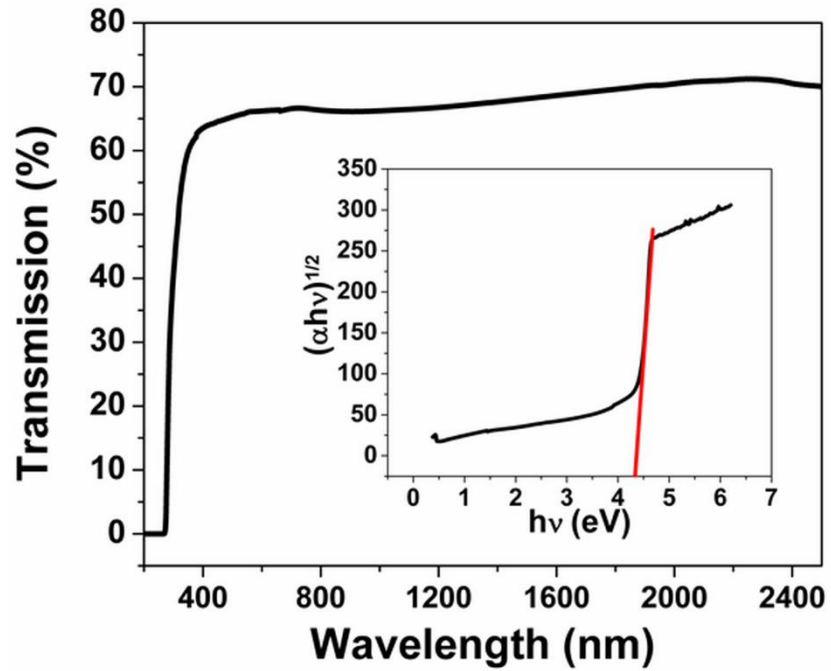
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**P vs E Hysteresis Loop**



**Fig. S1** Ferroelectric hysteresis loops for heat-treated samples of 1.5Li<sub>2</sub>O–2B<sub>2</sub>O<sub>3</sub>–0.5Ta<sub>2</sub>O<sub>5</sub>

## UV-Vis Transmission Spectra



**Fig S2** UV-Vis transmission spectra recorded for the as-quenched glass of  $1.5\text{Li}_2\text{O}-2\text{B}_2\text{O}_3-0.5\text{Ta}_2\text{O}_5$ ; Inset shows the plot of  $(\alpha h\nu)^{1/2}$  vs  $h\nu$ .