

Excellent Energy Storage and Photovoltaic Performances in $\text{Bi}_{0.45}\text{Na}_{0.45}\text{Ba}_{0.1}\text{TiO}_3$ -Based Lead-Free Ferroelectricity Thin Film

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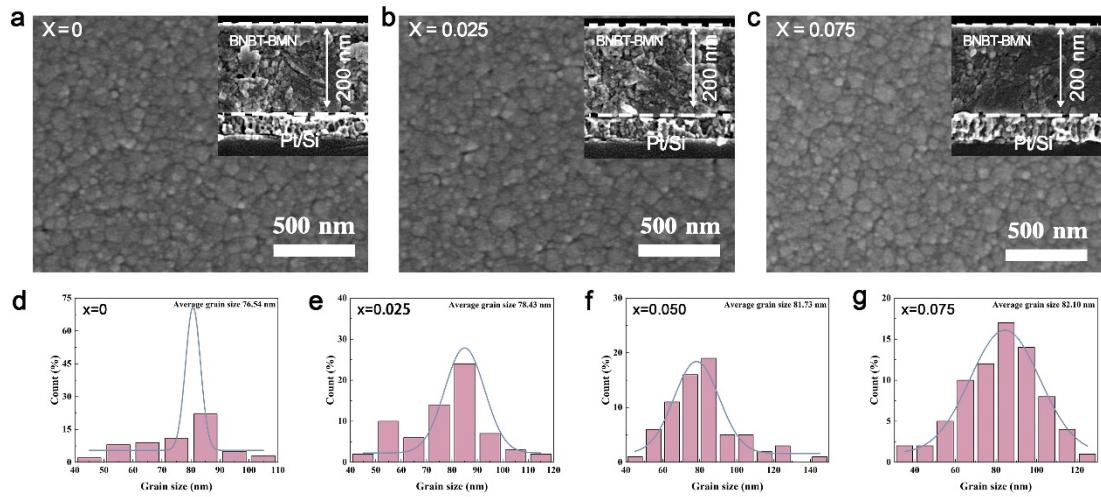


Figure S1. SEM images and particle size distribution statistics of $x=0$, $x=0.025$ and $x=0.075$.

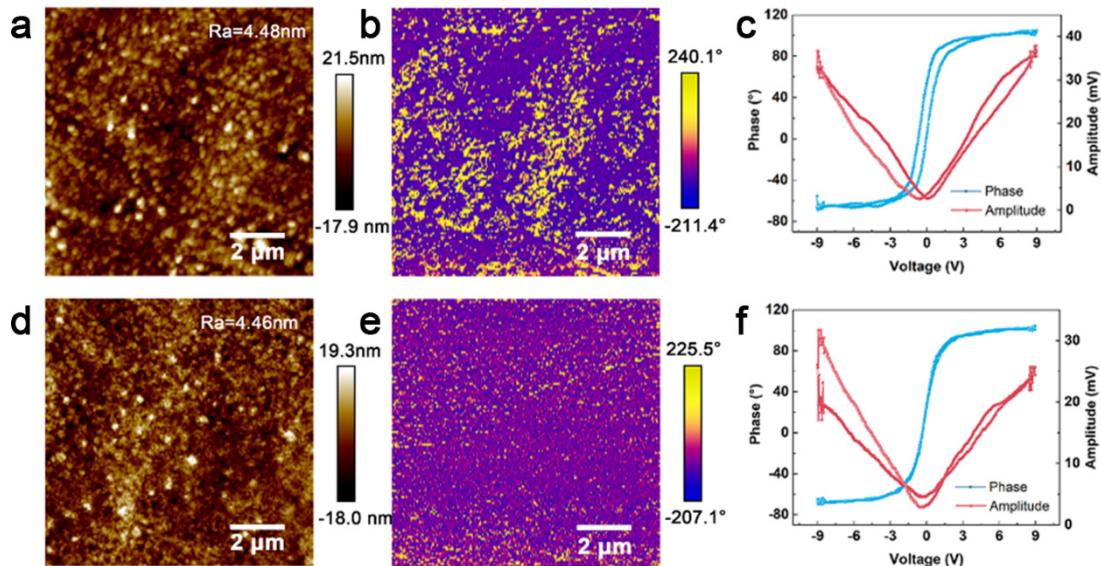


Figure S2. AFM image, out-of-plane phase PFM image, and voltage-dependent piezoresponse phase and amplitude of the BNBT-xBMN thin films: (a–c) $x=0.025$; (d–f) $x=0.075$.