

## Lattice distortion and orbital hybridization in $\text{NdFeO}_3$ - $\text{PbTiO}_3$ ferroelectric thin films

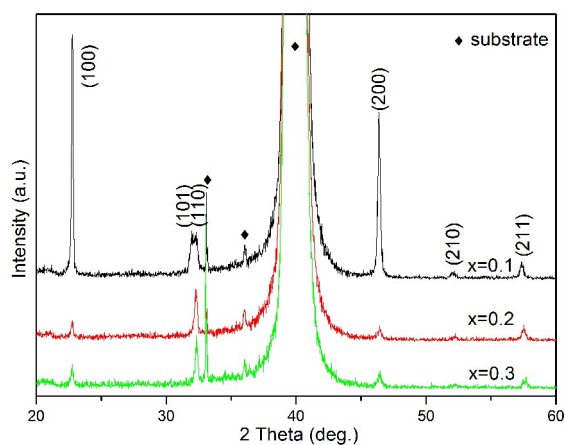
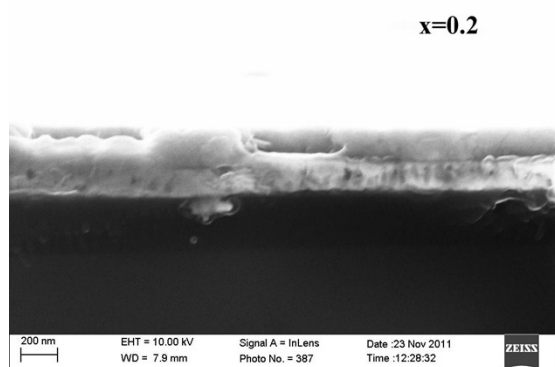
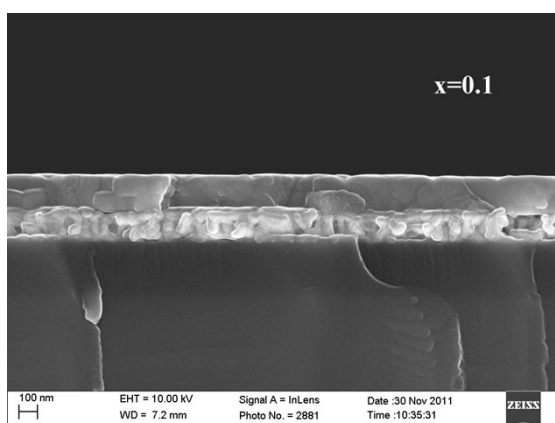


Fig. S1 Conventional powder XRD patterns of NF-PT thin films.



$x=0.3$

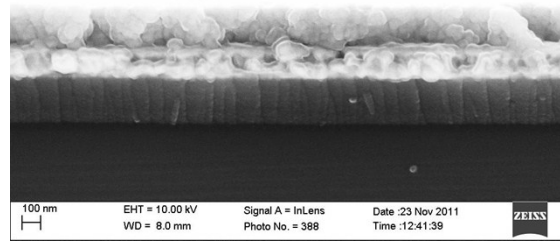


Fig. S2 Cross-sectional FE-SEM images of NF-PT thin films

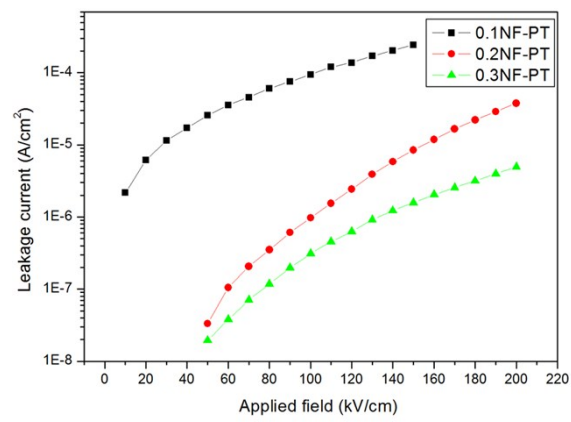


Fig. S3 Leakage current intensity of NF-PT thin films