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Supplementary Information

Giant energy-storage density and high efficiency achieved in (Bi_{0.5}Na_{0.5})TiO₃-Bi(Ni_{0.5}Zr_{0.5})O₃ thick films with polar nanoregions Ningning Sun, Yong Li, Qiwei Zhang, and Xihong Hao*

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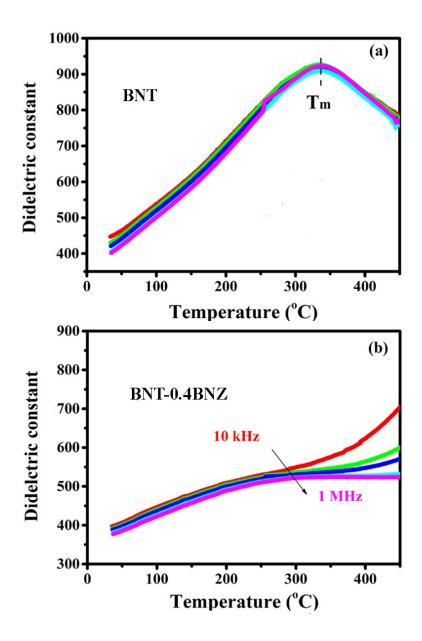


Fig. S1. Temperature dependence of the dielectric constant of the BNT (a) and BNT-0.4BNZ (b) thick films measured from 10 k to 1M Hz.

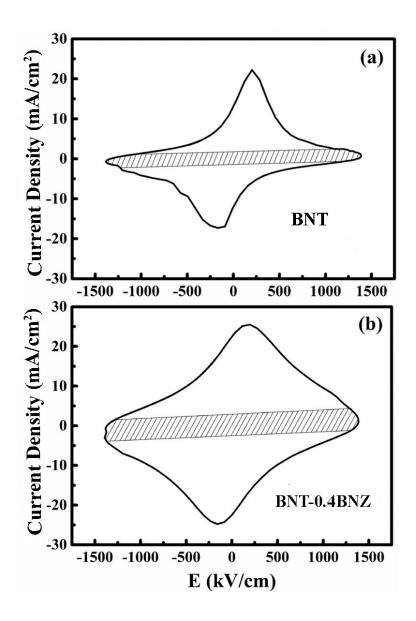


Fig. S2. I-V curves of the BNT(a) and BNT-0.4BNZ(b) films at a constant cycling rate of 2800 V/s, depicting the contributions to the total dielectric displacement by electric conductivity D1, dielectric capacitance D2, and ferroelectric domain switching polarization P. The shade area represents the total contribution of D1 and D2, and the remaining area is the contribution of P.