

Supporting Information

Piezoelectricity in Excess of 30 pC/N with a High Curie Temperature of 950 °C in the Strong Textured CaBi₂Nb₂O₉ Ceramics

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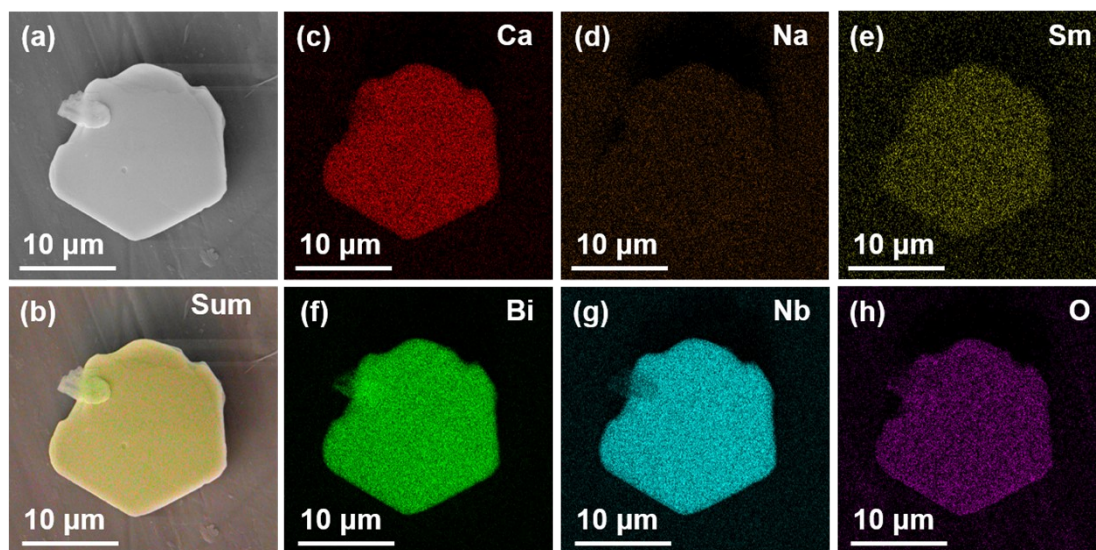
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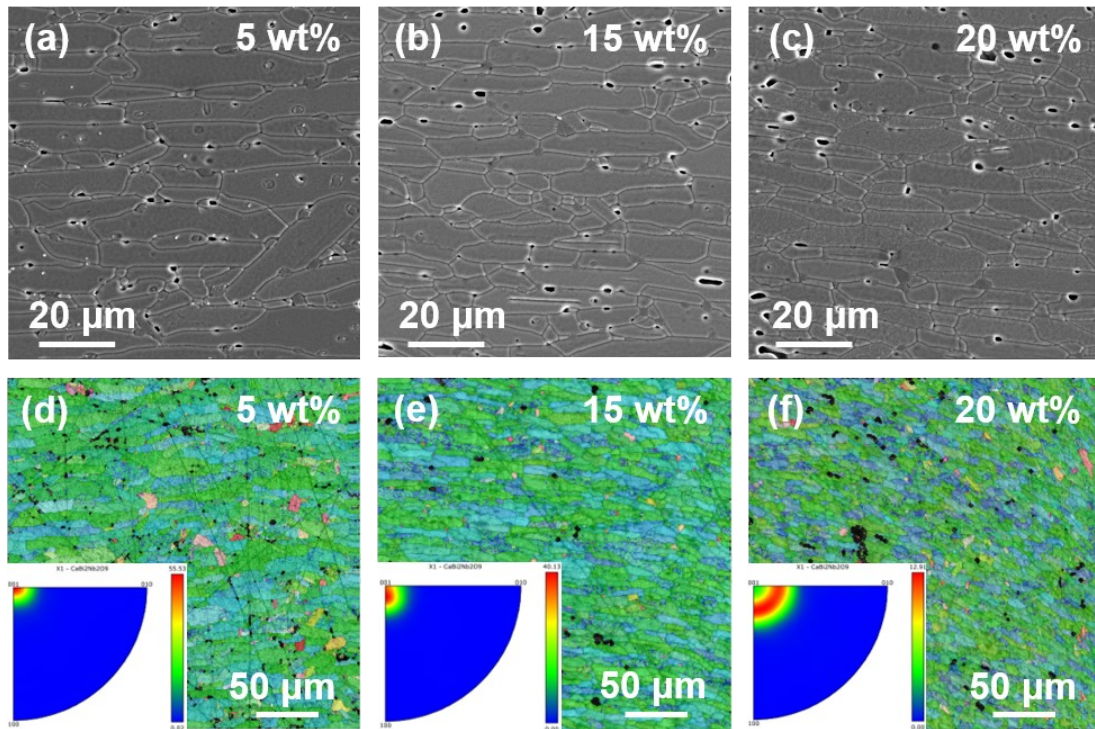
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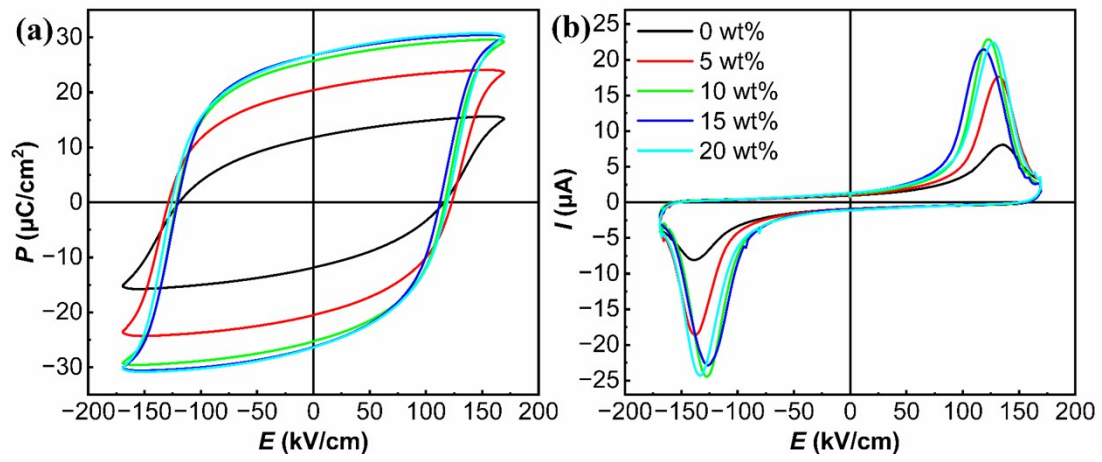
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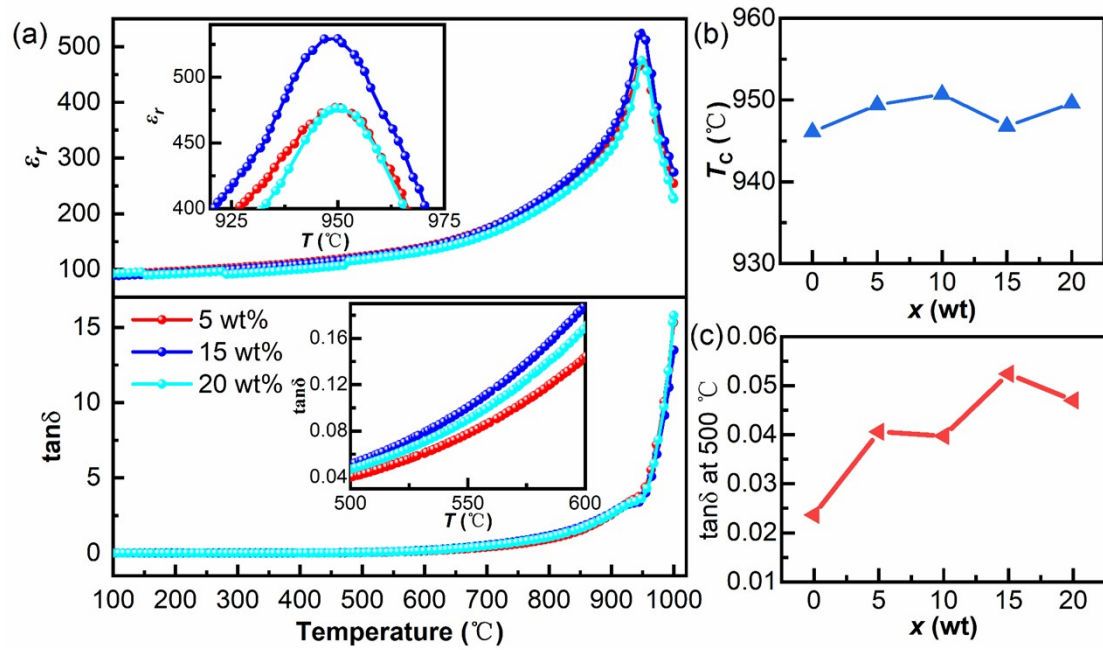
S1 (a-h) The SEM-EDS element mappings of CBNNS-0.025 templates.



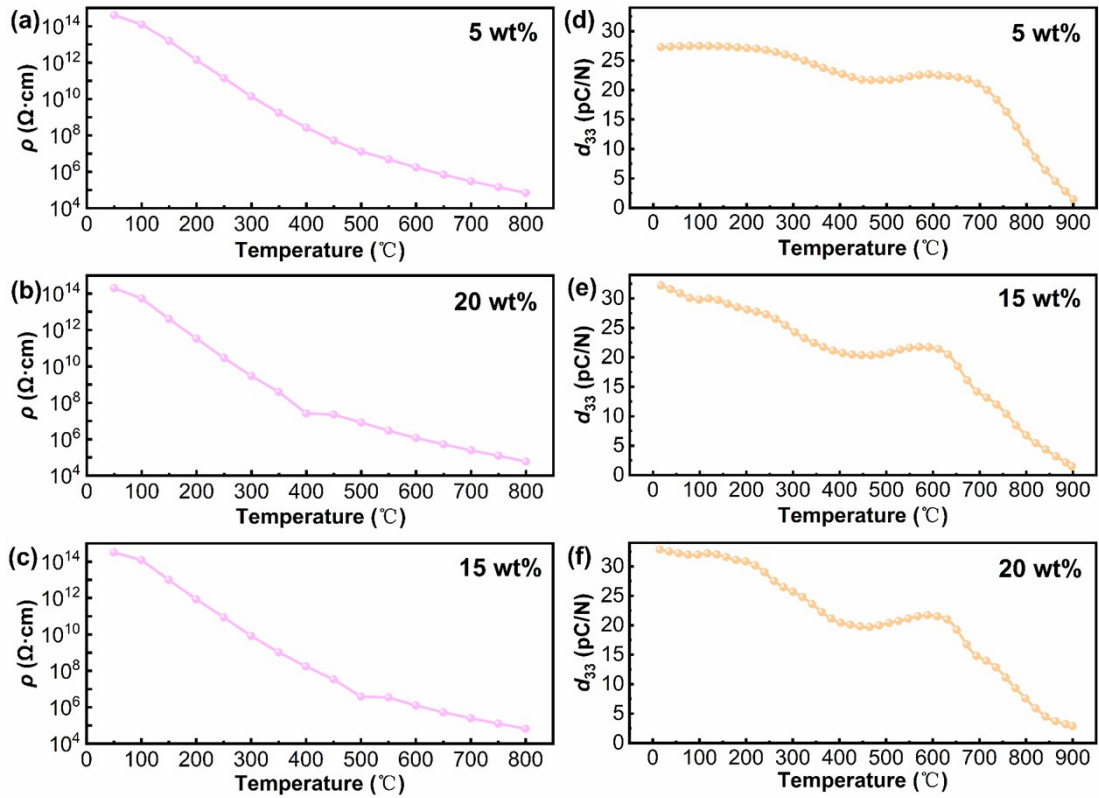
S2 (a-c) The SEM images of T5, T15, and T20 ceramics. (d-f) The EBSD images of T5, T15, and T20 ceramics (the insets in the left bottom of EBSD images are their inverse pole figures, respectively).



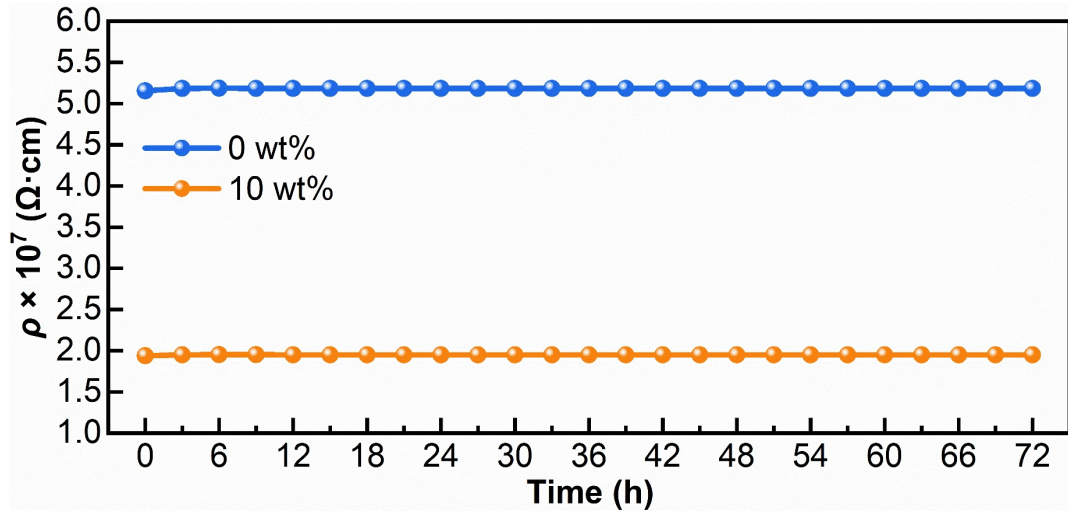
S3 (a) P - E and (b) I - E hysteresis loops of T0-T20 ceramics.



S4 (a) Variation of ϵ_r and $\tan\delta$ as a function of temperature for the T5, T15, and T20 ceramics (Insets show the locally enlarged view of the ϵ_r - T and $\tan\delta$ - T curves). (b) T_c as a function of template content for the T0-T20 ceramics. (c) $\tan\delta$ at 500 $^{\circ}\text{C}$ as a function of template content for the T0-T20 ceramics.



S5 (a-c) The variation of DC resistivity ρ with temperature for T5, T15, and T20 ceramics. (d-e) The variation of in situ d_{33} of T5, T15, and T20 ceramics as a function of temperature.



S6 The variation of DC resistivity ρ at 500 °C with temperature for T0 and T10 ceramics.