Enhanced room-temperature electrocaloric performance by both multiphase coexistence and diffused phase transition in $(Ba_{0.65}Sr_{0.3}Ca_{0.05})(Sn_xTi_{1-x})O_3$ ferroelectric ceramics

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Table S1. Refined phase and the corresponding R-value of the Refined result

Symmertries	R_p	R_{wp}
BSCST-0 (C and T)	4.526	6.450
BSCST-0 (C、O and T)	3.919	5.514
BSCST-2 (C and T)	4.863	7.186
BSCST-2 (C、O and T)	4.157	5.914
BSCST-4 (C and T)	4.194	5.981
BSCST-4 (C、O and T)	4.426	6.443
BSCST-6 (C and T)	4.184	5.929
BSCST-6 (C、O and T)	4.415	6.271

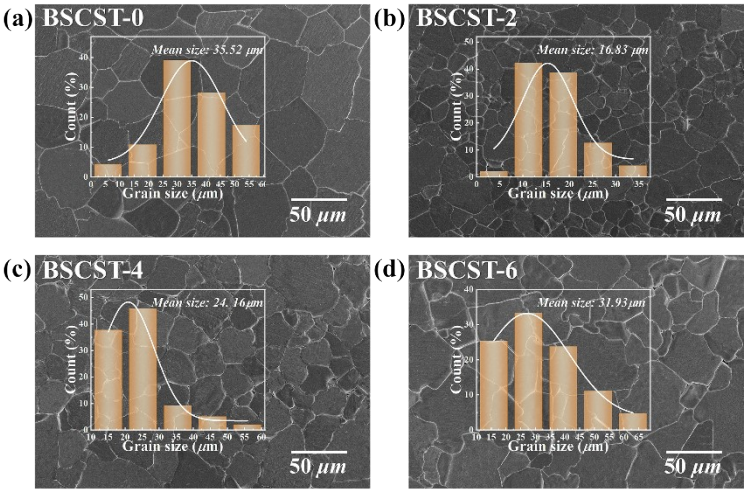

Fig S1. SEM image of BSCST ceramics. (a) x = 0, (b) x = 0.02, (c) x = 0, (d) x = 0.06.

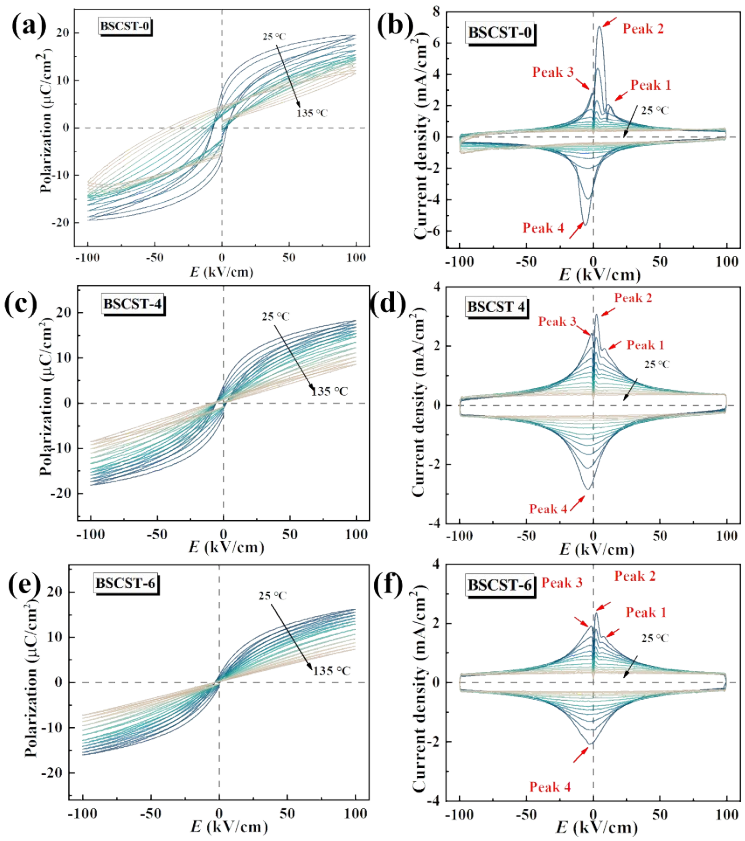

Fig. S2. (a) P-E hysteresis and (b) current density for BSCST-0 ceramics measured at 10 Hz under 100 kV/cm from 25 °C to 135 °C (x = 0). (c) P-E hysteresis and (d) current density for BSCST-4 ceramics measured at 10 Hz under 100 kV/cm from 25 °C to 135 °C (x = 0.04). (e) P-E hysteresis and (f) current density for BSCST-6 ceramics measured at 10 Hz under 100 kV/cm from 25 °C to 135 °C (x = 0.06).