

Supporting Information for

Large electrocaloric response with superior temperature stability in NaNbO₃-
based relaxor ferroelectrics benefiting from crossover region

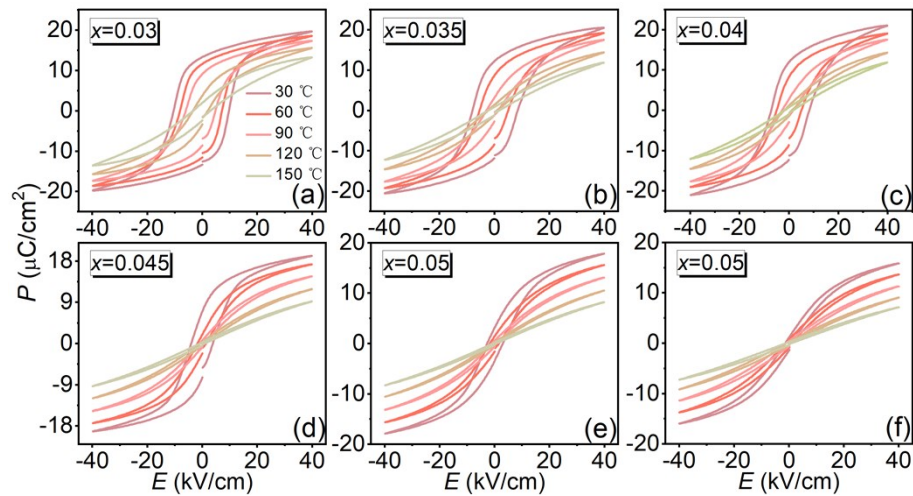
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Table S1: Lattice parameters and refined structure parameters of NN-BT- x BZ ceramics.

Sample	$x = 0.04$		$x = 0.05$
Space group	$P4mm$ (35.3%)	$R3c$ (64.7%)	$Pm-3m$
a (Å)	3.9459	5.5903	3.9492
c (Å)	3.9421	-	-
α (°)	90	90.02	90
Sig	1.34	1.86	1.86
R_{wp} (%)	5.27	7.43	7.43
c/a	1.001	1	1

**Fig. S1.** P - E loops for NN-0.1BT- x BZ ceramics with (a) $x = 0.03$, (b) 0.035, (c) 0.04, (d) 0.45, (d) 0.05, and (f) 0.055 recorded under 40 kV/cm at several selected temperatures.

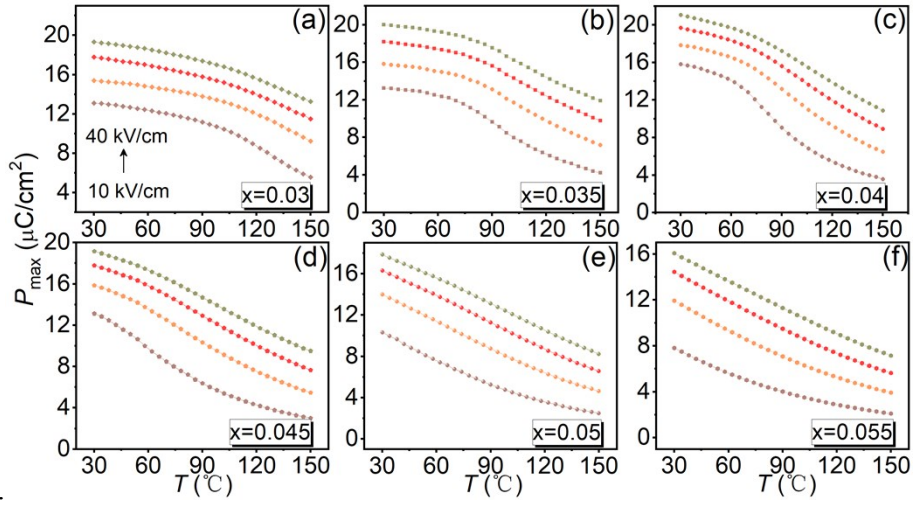


Fig. S2. P - T loops for NN-0.1BT- x BZ ceramics with (a) $x = 0.03$, (b) 0.035, (c) 0.04, (d) 0.45, (d) 0.05, and (f) 0.055 at 10-40 kV/cm, where P is obtained from the P_{\max} in each P - E loop.

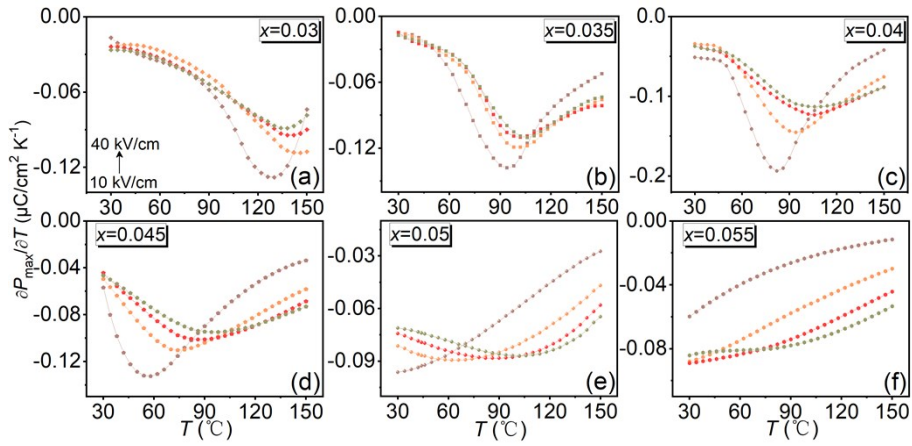


Fig. S3. Plots of $(\partial P/\partial T)_E$ - T for NN-0.1BT- x BZ ceramics with (a) $x = 0.03$, (b) 0.035, (c) 0.04, (d) 0.45, (d) 0.05, and (f) 0.055 at 10-40 kV/cm.