

Supporting information

High electrostrictive properties and energy storage performances with excellent thermal stability in Nb-doped $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ -based ceramics

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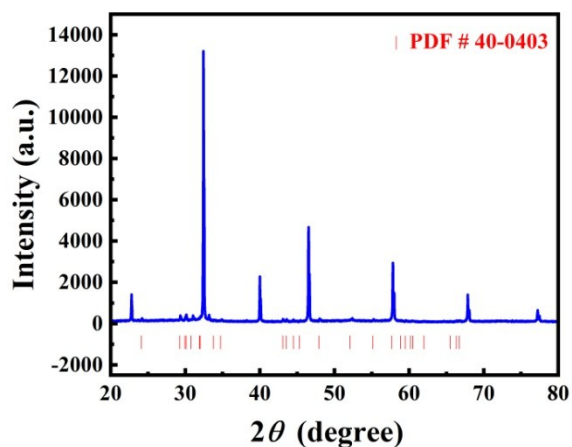


Fig. S1: The XRD spectrum of the $x=0.07$ ceramics with the secondary phase indexed as $K_2Ti_6O_{13}$ (PDF#40-0403).

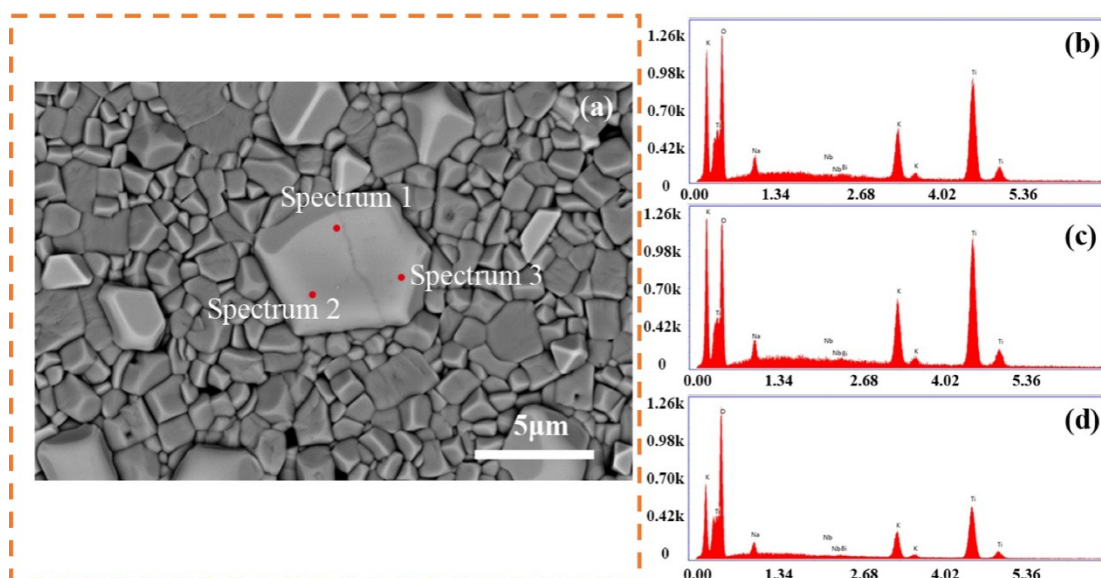


Fig. S2: (a) The surface micrograph of $x=0.07$ ceramic. (b)–(d) The corresponding spot scanning results of the $x=0.07$ ceramic

Table. S1 The EDS spot scanning results of the $x=0.07$ ceramics from the Fig. S2

Element	Spectrum 1	Spectrum 2	Spectrum 3
Na	0.99	0.89	1.37
Nb	0.13	0.17	0.05
Bi	0.11	0.11	0.06
K	8.01	8.09	7.92
Ti	28.58	28.54	28.57
O	62.18	62.20	62.03
Sum	100	100	100