

Electronic Supporting Information

Piezoelectric Ba and Ti co-doped BiFeO₃ textured films: selective growth of solid solutions or nanocomposites

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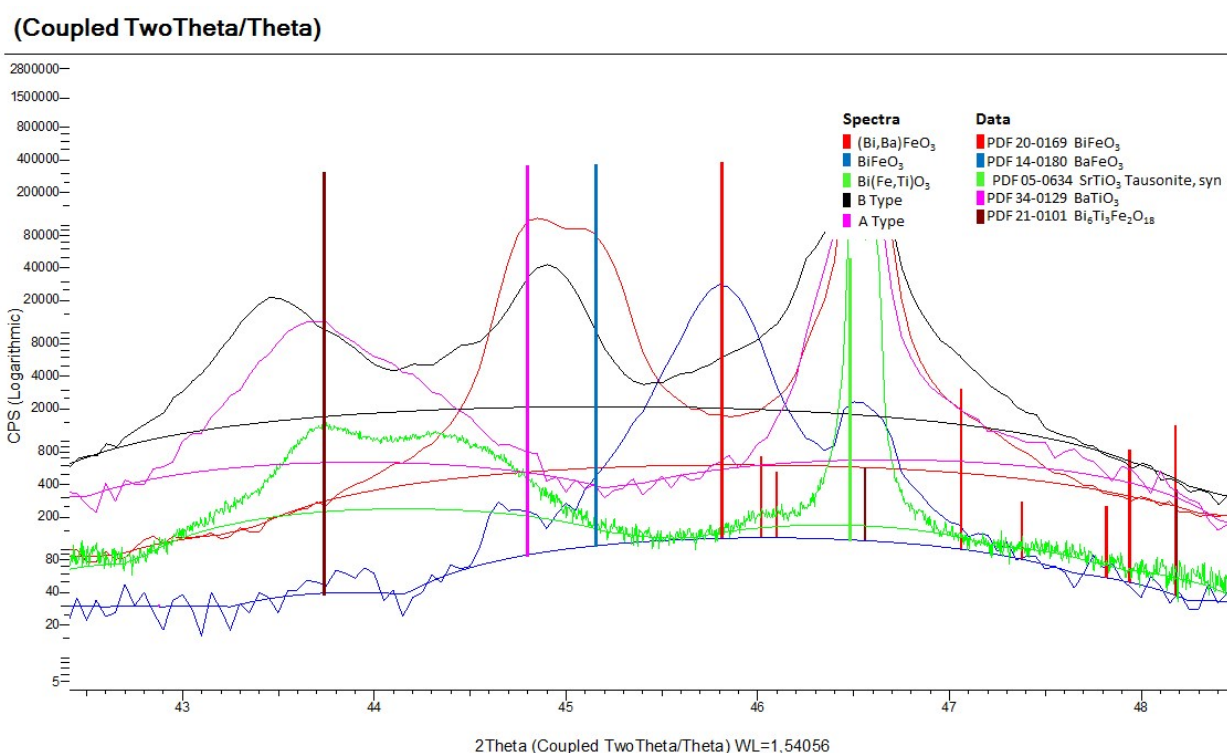


Fig. S1 Raw XRD patterns with indicated the peak positions of potential phases. For the films and peak position phase see the legend in the figure.

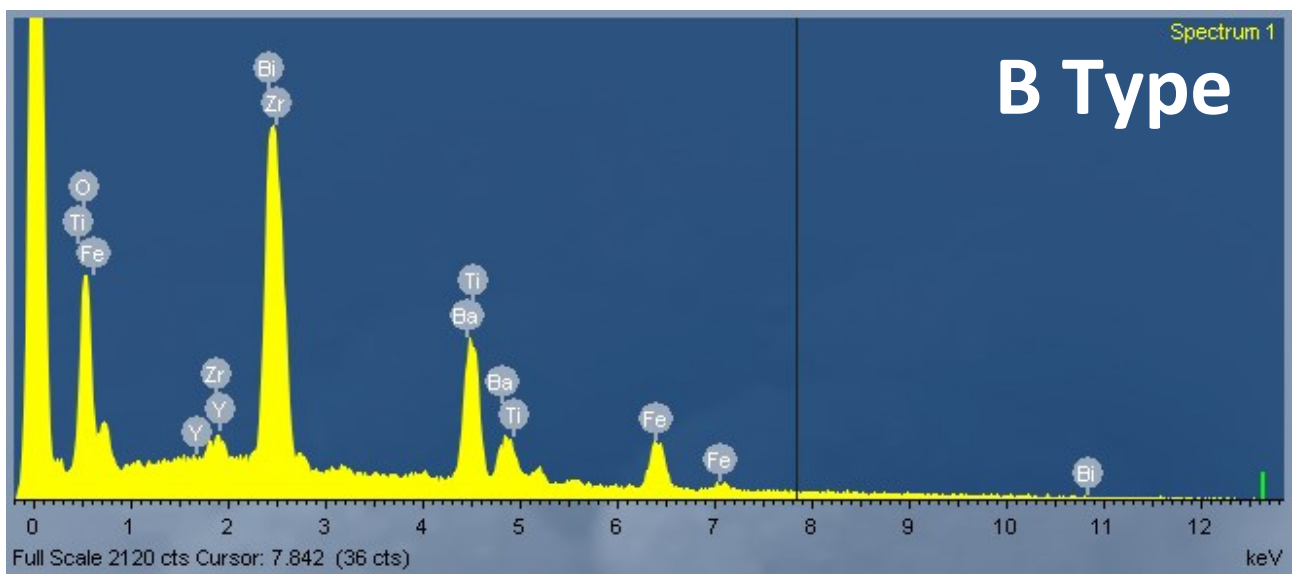
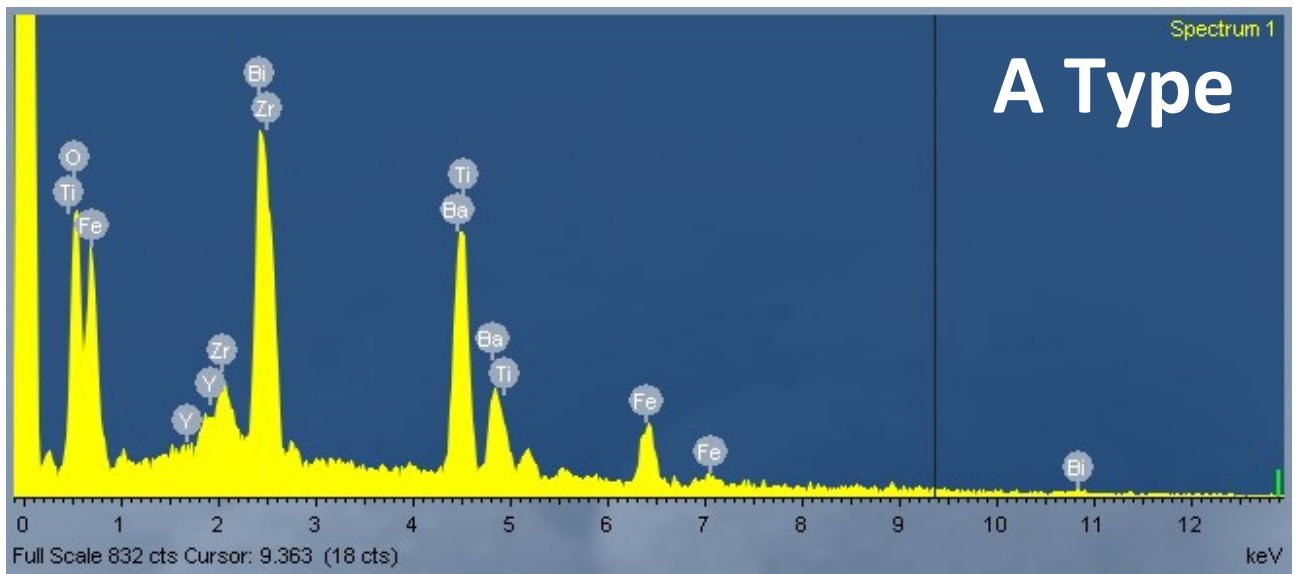


Fig. S2 EDX spectra of the A-type and B-type films.

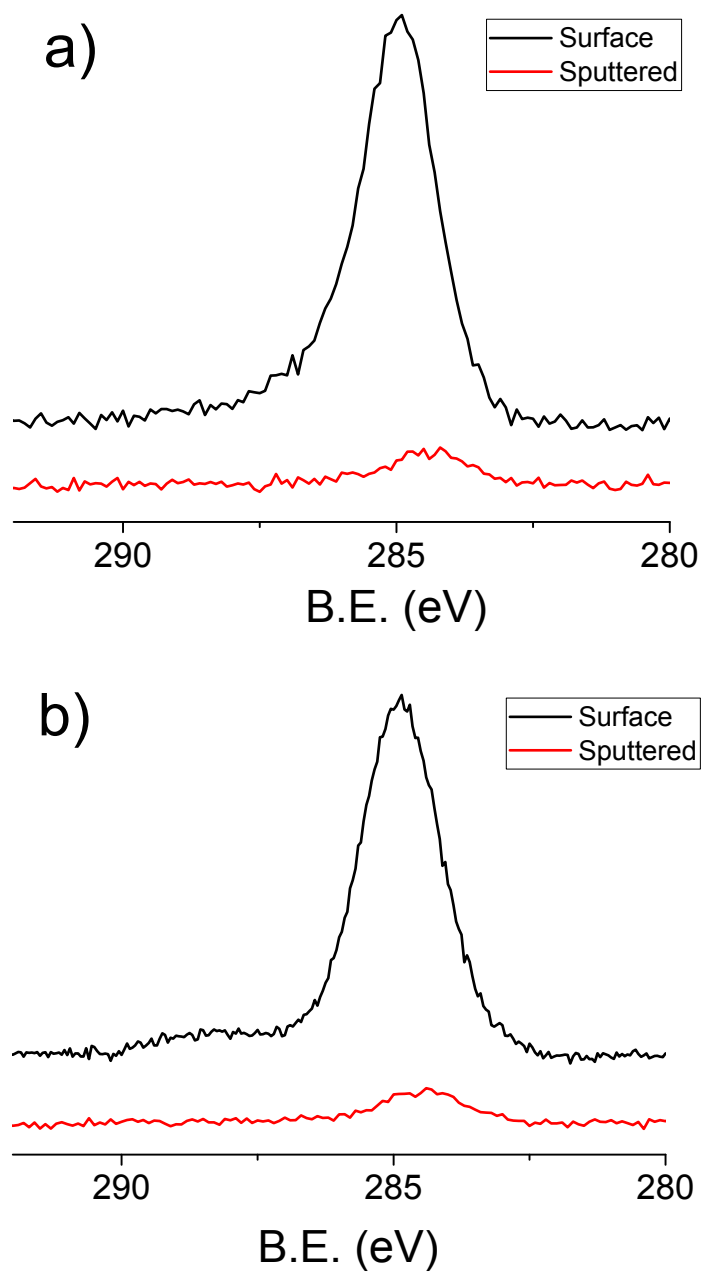


Fig. S3 C 1s XPS spectral region of a) A-type and b) B-type samples.

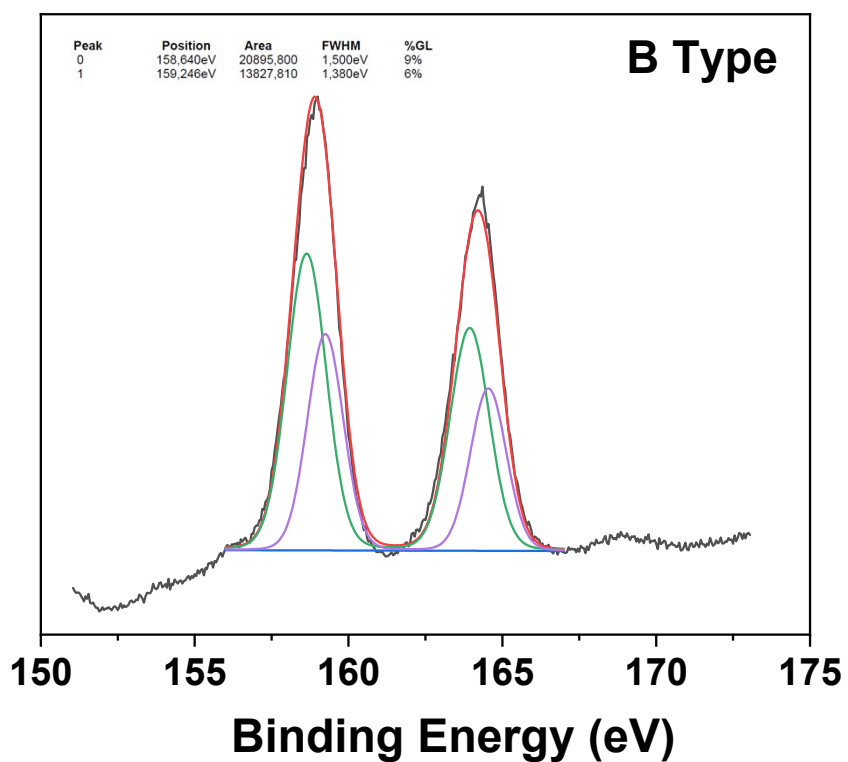
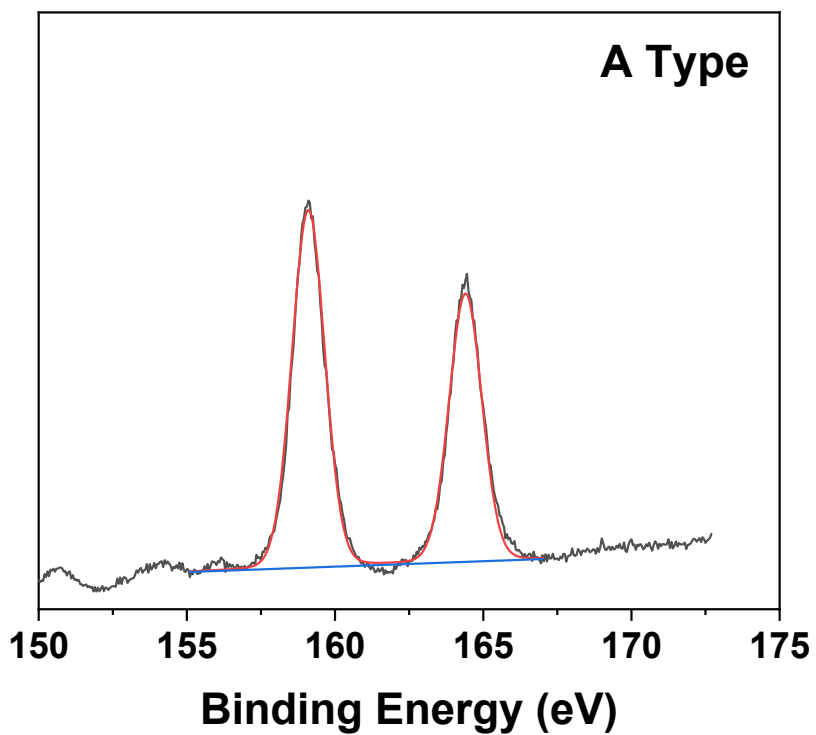


Fig. S4 Deconvolution of the Bi 4f_{7/2} XPS spectral region of a) A-type and b) B-type samples.

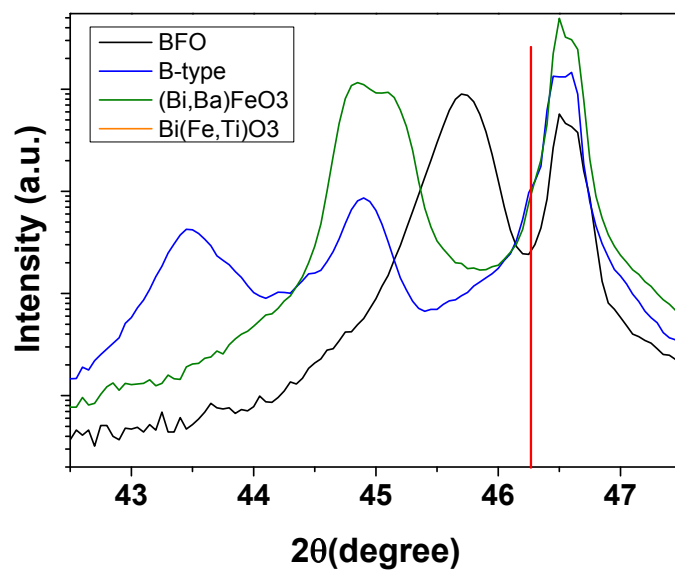


Fig. S5 XRD patterns in the 42-48° range of the B-type sample (—) compared with undoped BiFeO_3 (—), and singly doped $\text{Bi}_{(1-x)}\text{Ba}_x\text{FeO}_3$ (—) films grown on $\text{SrTiO}_3:\text{Nb}$ (100) substrates.