

Supplemental Information

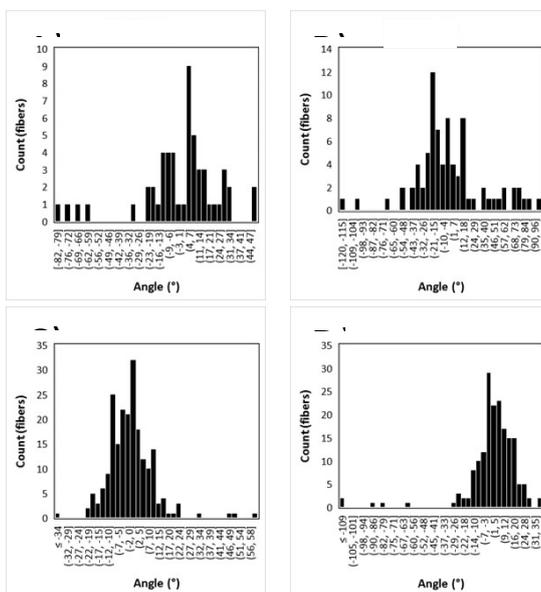


Figure S1. Histogram of fiber alignment for CoFe₂O₄ samples shown in Figure 3 in the main text. These histograms reveal that samples taken with the gaps adjacent to the central column show the highest degrees of alignment.

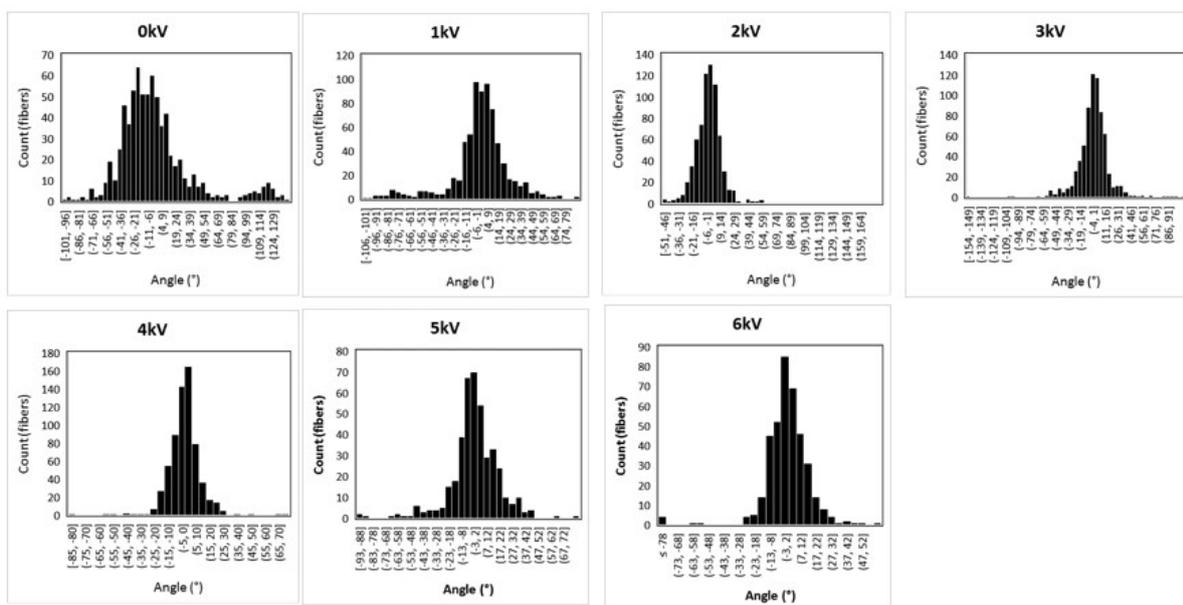


Figure S2. Histograms of fiber alignment for CoFe₂O₄ fibers, these histograms correspond to the SEM micrographs shown in Figure 5 in the main text.

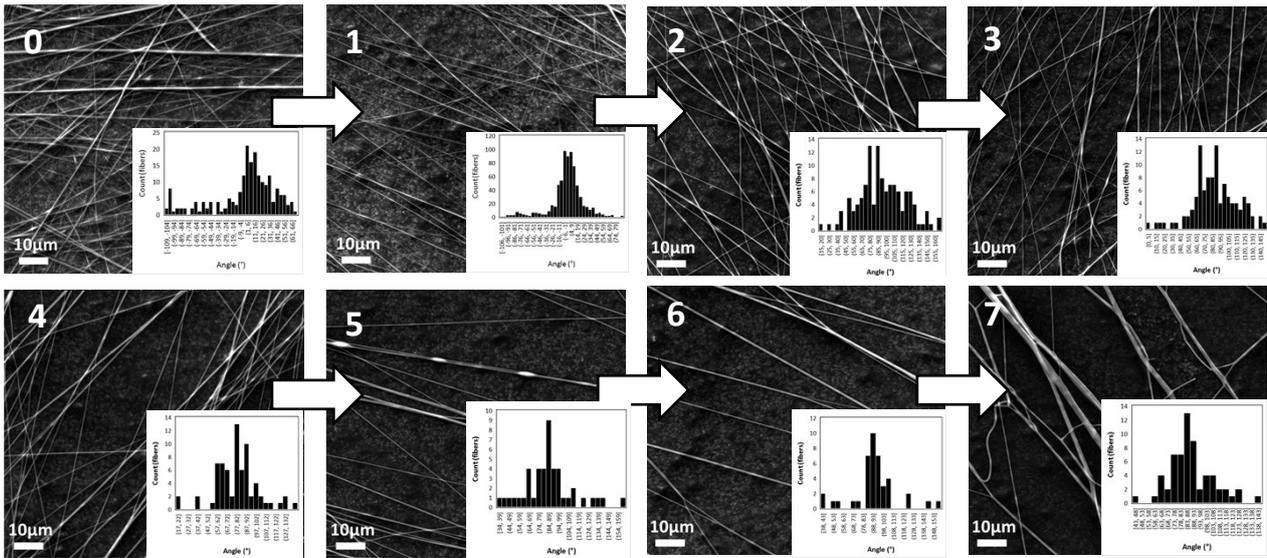


Figure S3. SEM samples showing an increase in alignment with increasing central guide column voltage for BaTiO₃. Guide column voltages and histograms of alignment angles are inset onto each SEM image. Alignment increases until a maximum alignment is reached at a central guide column voltage of 4 kV.

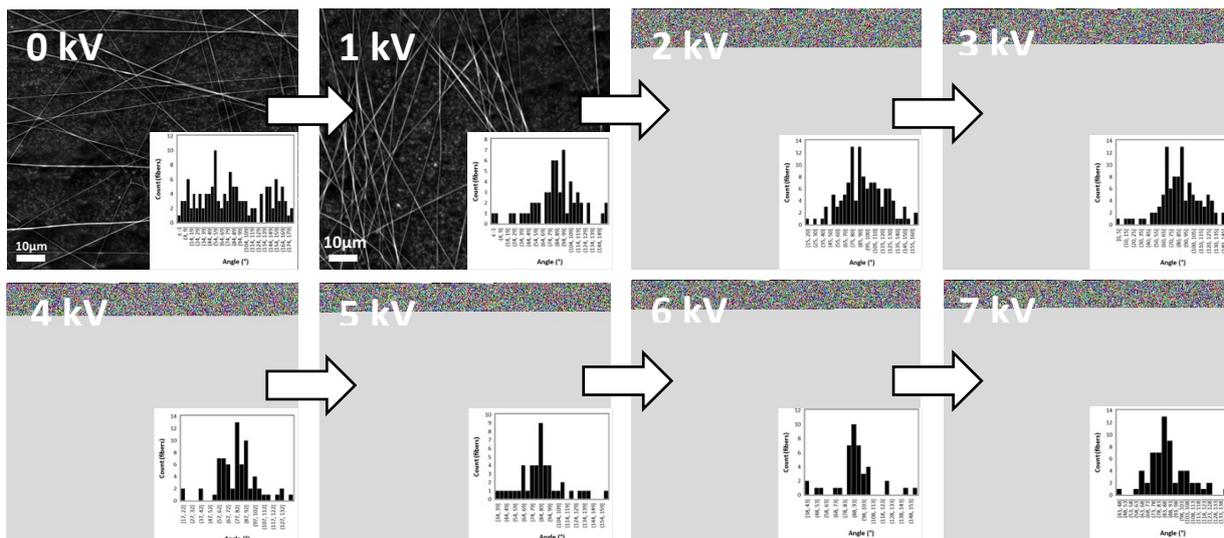


Figure S4. SEM samples showing an increase in alignment with increasing central guide column voltage for BiFeO₃. Guide column voltages and histograms of alignment angles are inset onto each SEM image. Alignment increases until a maximum alignment is reached at a central guide column voltage of 6 kV.

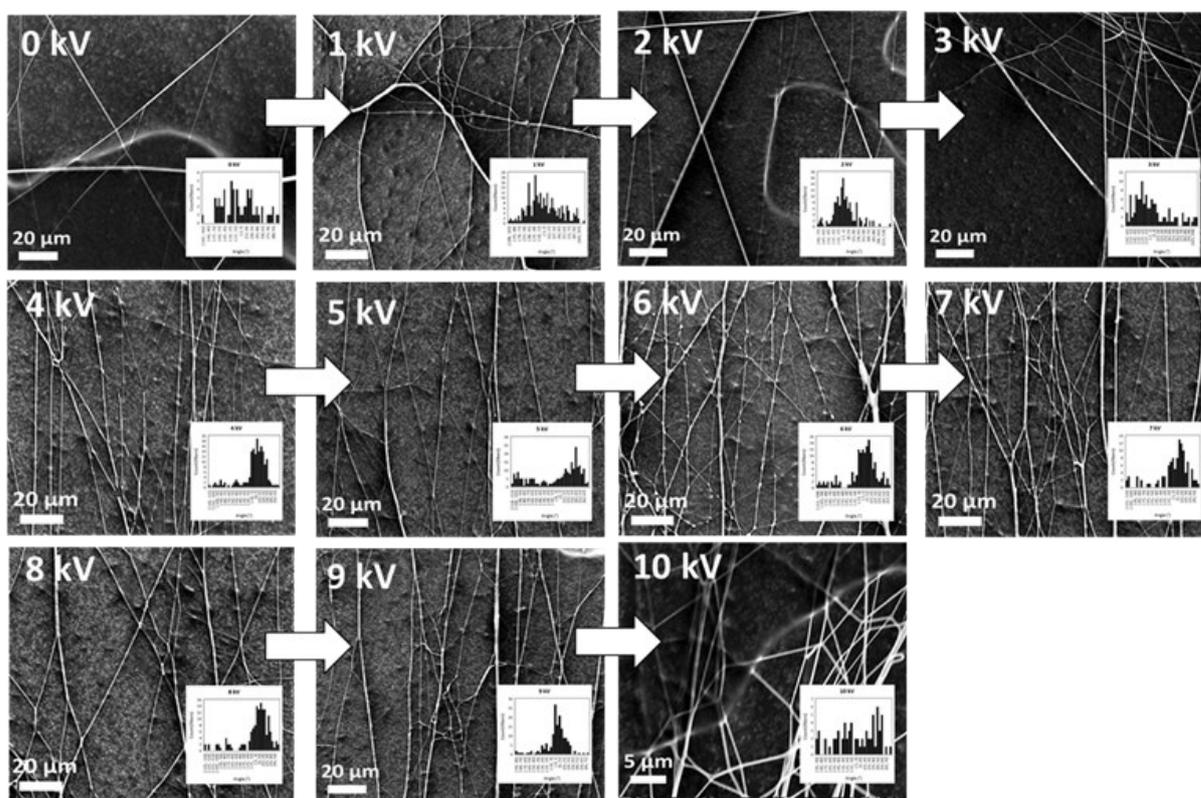


Figure S5.: SEM samples showing an increase in alignment with increasing central guide column voltage for Ni_{0.5}Zn_{0.5}Fe₂O₄. Guide column voltages and histograms of alignment angles are inset onto each SEM image. Alignment increases until a maximum alignment is reached at a central guide column voltage of 9 kV

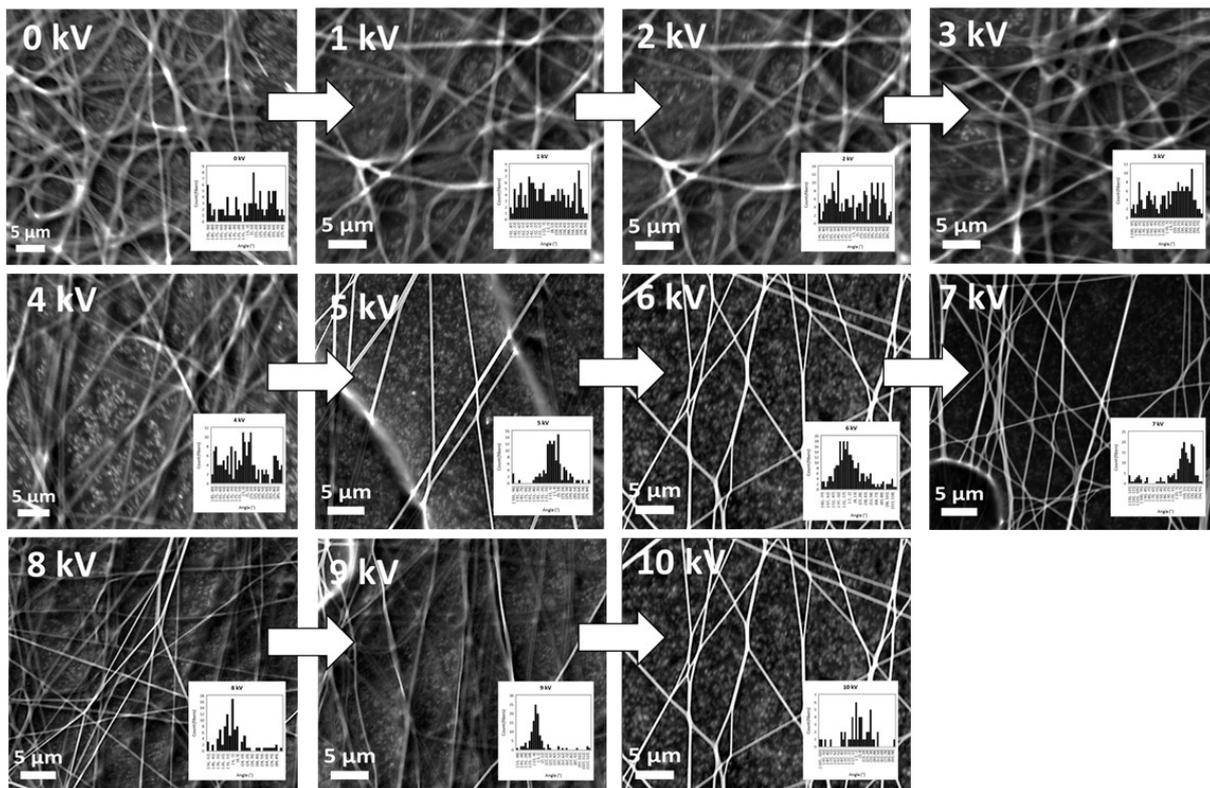


Figure S6. SEM samples showing an increase in alignment with increasing central guide column voltage for CoFe_2O_4 (2). Guide column voltages and histograms of alignment angles are inset onto each SEM image. Alignment increases until a maximum alignment is reached at a central guide column voltage of 9 kV

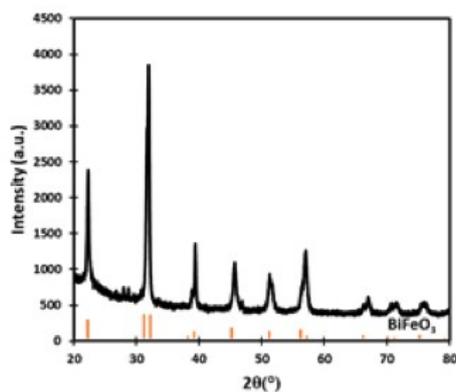


Figure S7. X-ray diffraction spectra for calcined and aligned BiFeO_3 fibers spun on the guide column array. (Note: Inset from Figure 8a)

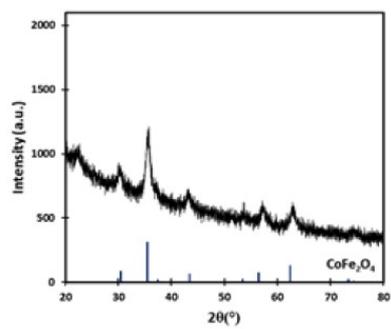


Figure S8. X-ray diffraction spectra for calcined and aligned CoFe_2O_4 fibers spun on the guide column array. (Note: Inset from Figure 8b)