





# Room-temperature multiferroic behavior in layer-structured Aurivillius phase ceramics

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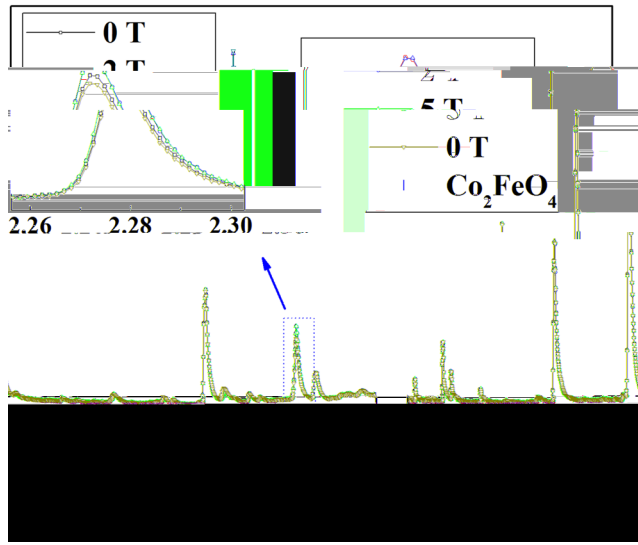


FIG. 4. XRD patterns of Co<sub>2</sub>FeO<sub>4</sub> at 0 T and 2 T. The inset shows the magnified view of the 2.26–2.30 Å<sup>-1</sup> region. The SEM image shows the morphology of the sample.

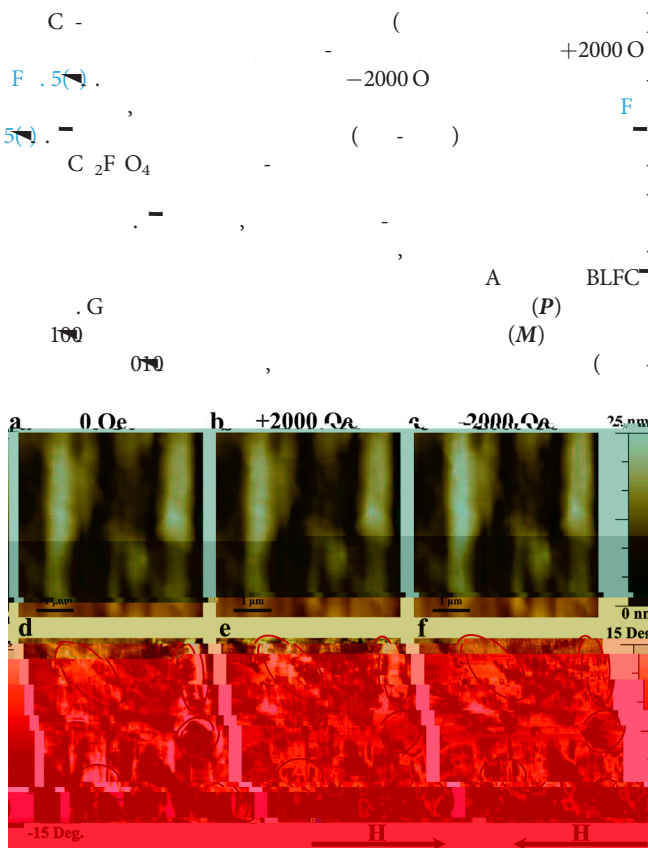


FIG. 5. MFM images of Co<sub>2</sub>FeO<sub>4</sub> at different magnetic fields. The top row shows MFM images at 0 Oe, +2000 Oe, and -2000 Oe. The bottom row shows corresponding topographic images. Scale bars are 25 nm and 15 nm.

$T = P \times M$   
 BLFC<sup>-</sup>  
 I , A BLFC<sup>-</sup>  
 F  
 C<sup>3+</sup> O C<sup>3+</sup>, F<sup>3+</sup> O C<sup>3+</sup> F<sup>3+</sup> O F<sup>3+</sup>,  
 A , C / F  
 EM (ED ) BLFC<sup>-</sup>  
 D . M , D . K , D.  
 D I H I I N , AL,  
 D , O , K.  
 A E D F  
 G A A (G N . 2/  
 0038/20), C (G N . K2015-0602006), N FC (G  
 N . 11474138 11834005). A  
 E M (EM )  
 IND54 N EM  
 EM E AME E

DATA AVAILABILITY

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