





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

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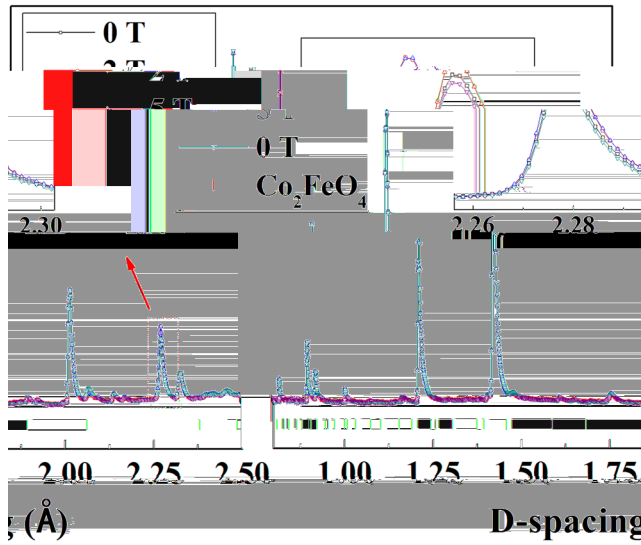


FIG. 4. XRD patterns of  $\text{Co}_2\text{FeO}_4$  at 0 T and 2 T. The inset shows the schematic of the sample structure.

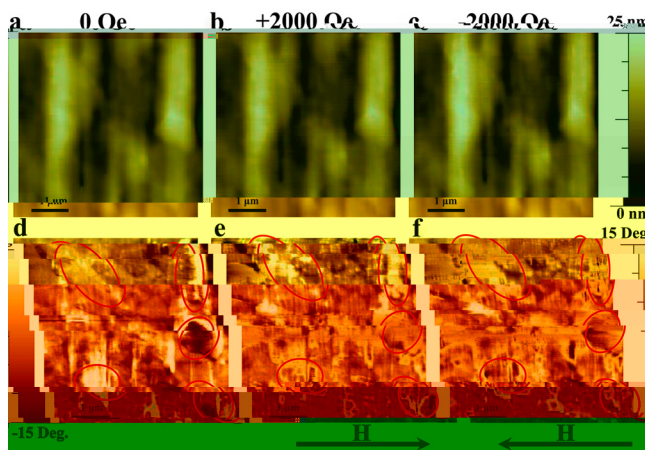
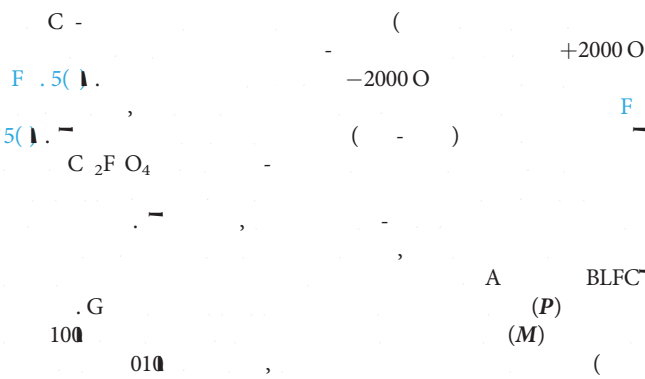


FIG. 5. MFM images of  $\text{Co}_2\text{FeO}_4$  at 0 Oe, +2000 Oe, and -2000 Oe. The images show magnetic domains with different contrast.

$T = P \times M$   
 BLFC<sup>-</sup>  
 I , A BLFC<sup>-</sup>  
 F  
 $\text{C}^{3+} \text{O} \text{C}^{3+}, \text{F}^{3+} \text{O} \text{C}^{3+}$   $\text{F}^{3+} \text{O} \text{F}^{3+}$   
 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 E

DATA AVAILABILITY

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