

Abstract Submitted  
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**The multiferroic properties of  $\text{Bi}(\text{Fe}_{1/2}\text{Cr}_{1/2})\text{O}_3$  compound**  
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China — Dense  $\text{Bi}(\text{Fe}_{1/2}\text{Cr}_{1/2})\text{O}_3$  ceramics of  $R3c$  crystal structure were synthesized  
by solid state reaction under high pressure. TEM observations reveal superstructure  
characteristics in  $\text{Bi}(\text{Fe}_{1/2}\text{Cr}_{1/2})\text{O}_3$ . Magnetization as well as dielectric properties  
of  $\text{Bi}(\text{Fe}_{1/2}\text{Cr}_{1/2})\text{O}_3$  ceramics were characterized over a broad temperature.

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