

Supplementary Materials

# Influence of Cr doping on structural, optical, and photovoltaic properties of BiFeO<sub>3</sub> synthesized by sol-gel method

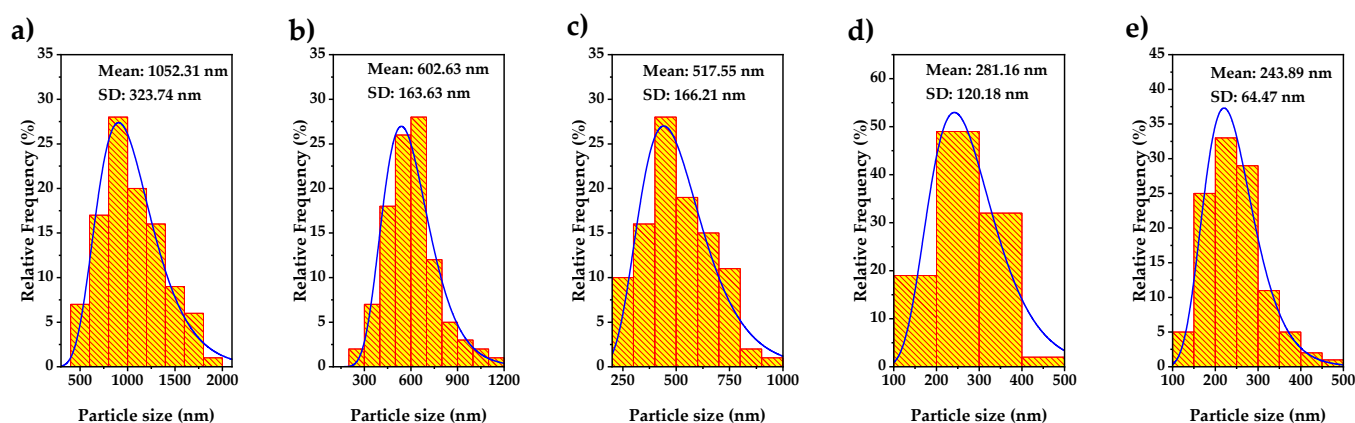
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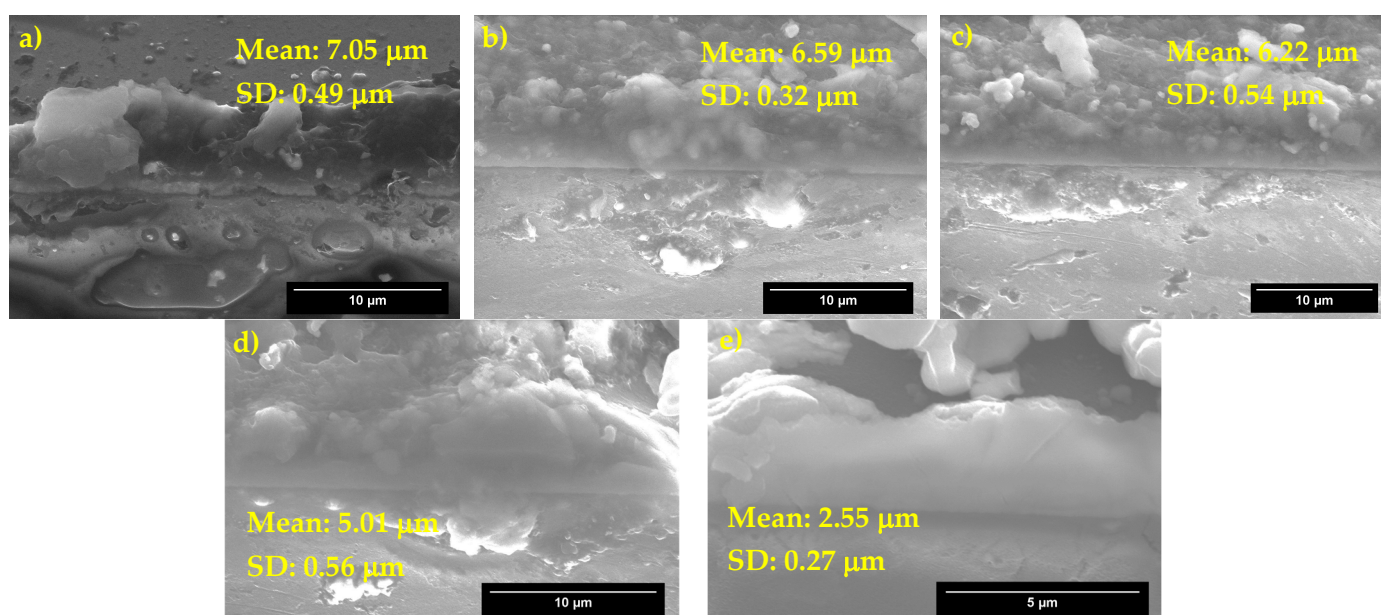
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**Figure S1.** Particle size distribution of a) Pure BiFeO<sub>3</sub>, b) BiFeO<sub>3</sub> -1% Cr, c) BiFeO<sub>3</sub> -3% Cr, d) BiFeO<sub>3</sub> -5% Cr and e) BiFeO<sub>3</sub> -10% Cr



**Figure S2.** Electrode Thickness of a) Pure BiFeO<sub>3</sub>, b) BiFeO<sub>3</sub> -1% Cr, c) BiFeO<sub>3</sub> -3% Cr, d) BiFeO<sub>3</sub> -5% Cr and e) BiFeO<sub>3</sub> -10% Cr Solar cell