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# Enhanced pyroelectric and piezoelectric responses in W/Mn-codoped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Aurivillius ceramics

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## Abstract

The pyroelectric and piezoelectric properties of 4 at% Mn-doped  $\text{Bi}_4\text{Ti}_{2.9}\text{W}_{0.1}\text{O}_{12}$  ( $\text{BiTW-Mn}$ ) Aurivillius ceramic were investigated and compared to  $\text{Bi}_4\text{Ti}_{2.9}\text{W}_{0.1}\text{O}_{12}$  ( $\text{BiTW}$ ) counterpart, which were fabricated using a conventional solid state reaction

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