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ABSTRACT BOOK**

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Isothermal sintering of BZT ceramics

Starting mixtures of BaCO_3 , ZnO and TiO_2 were mechanically activated for 0, 5, 10, 20, 40 and 80 minutes in a planetary ball mill. The powders obtained were sintered isothermally to temperatures between 1000 and 1300 °C. The phase composition of powders and sintered samples were followed by X-ray analyses. Also, the changes in microstructures were detected using SEM.