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PROGRAM AND THE BOOK OF ABSTRACTS

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AND

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TM 2

PHASE AND MICROSTRUCTURAL EVOLUTION DURING SINTERING OF Zr-DOPED HYDROXYAPATITE

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Doping of hydroxyapatite crystal structure with various ions is generally performed to improve biological, electrical, optical and mechanical properties of initial system. In this study, hydroxyapatite nanopowders doped with different amounts of zirconium (0, 1, 5, 10 at. %) have been sintered at different temperatures. Phase and microstructural evolution were examined by X-ray diffraction studies and field emission scanning electron microscopy.

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