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## Pb 3+ radiation defects in Ca 9Pb(PO 4) 6(OH) 2 hydroxyapatite nanoparticles studied by high-field (Wband) EPR and ENDOR

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## Abstract

W-band pulsed EPR and ENDOR investigations of X-ray irradiated nanoparticles of synthetic hydroxyapatite Ca 9Pb(PO 4) 6(OH) 2 are performed. It is shown that in the investigated species lead ions probably replace the Ca(1) position in the hydroxyapatite structure. © 2012 the Owner Societies.

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