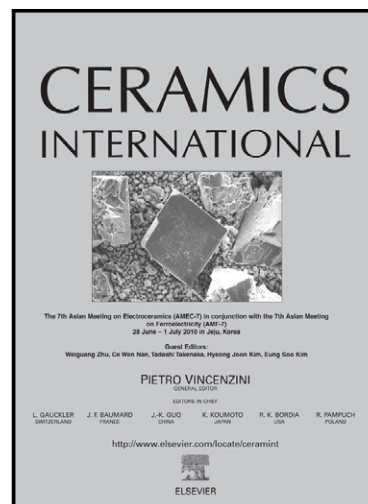


Author's Accepted Manuscript

Novel preparation of hydroxyapatite nanoparticles and nanorods with the aid of complexing agents

Fatemeh Mohandes, Masoud Salavati-Niasari, Zeinab Fereshteh, Mohammadhossein Fathi



www.elsevier.com/locate/ceramint

PII: S0272-8842(14)00605-1
DOI: <http://dx.doi.org/10.1016/j.ceramint.2014.04.066>
Reference: CERI8434

To appear in: *Ceramics International*

Received date: 29 March 2014
Revised date: 9 April 2014
Accepted date: 11 April 2014

Cite this article as: Fatemeh Mohandes, Masoud Salavati-Niasari, Zeinab Fereshteh, Mohammadhossein Fathi, Novel preparation of hydroxyapatite nanoparticles and nanorods with the aid of complexing agents, *Ceramics International*, <http://dx.doi.org/10.1016/j.ceramint.2014.04.066>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Novel preparation of hydroxyapatite nanoparticles and nanorods with the aid of complexing agents

Fatemeh Mohandes ^a, Masoud Salavati-Niasari ^{a, b*}, Zeinab Fereshteh ^c, Mohammadhossein Fathi ^{c, d}

^aDepartment of Inorganic Chemistry, Faculty of Chemistry, University of Kashan, Kashan, P. O. Box. 87317-51167, I. R. Iran

^bInstitute of Nano Science and Nano Technology, University of Kashan, Kashan, P. O. Box. 87317-51167, I. R. Iran

^cBiomaterials Research Group, Department of Materials Engineering, Isfahan University of Technology, Isfahan, 8415683111, I. R. Iran

^dDental Materials Research Center, Isfahan University of Medical Sciences, Isfahan, I. R. Iran

*Corresponding author. Tel.: +98 361 5912383; Fax: +98 361 5552935;

E-mail address: salavati@kashanu.ac.ir (M. Salavati-Niasari)

Abstract

New complexing agents based on Schiff base compounds have been employed to fabricate nanocrystalline hydroxyapatite (HAP). The use of the Schiff bases derived from 2-hydroxybenzophenone led to the formation

Download English Version:

<https://daneshyari.com/en/article/10625532>

Download Persian Version:

<https://daneshyari.com/article/10625532>

[Daneshyari.com](https://daneshyari.com)