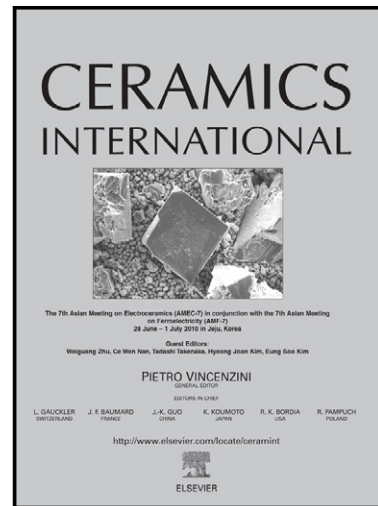


# Author's Accepted Manuscript

Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals

C. Ragupathi, J. Judith Vijaya, L. John Kennedy, M. Bououdina



[www.elsevier.com/locate/ceramint](http://www.elsevier.com/locate/ceramint)

PII: S0272-8842(14)00726-3  
DOI: <http://dx.doi.org/10.1016/j.ceramint.2014.05.003>  
Reference: CERI8539

To appear in: *Ceramics International*

Received date: 21 January 2014  
Revised date: 21 April 2014  
Accepted date: 2 May 2014

Cite this article as: C. Ragupathi, J. Judith Vijaya, L. John Kennedy, M. Bououdina, Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals, *Ceramics International*, <http://dx.doi.org/10.1016/j.ceramint.2014.05.003>

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.

**Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals**

**C. Ragupathi<sup>a</sup>, J. Judith Vijaya<sup>a\*</sup>, L. John Kennedy<sup>b</sup>, M. Bououdina<sup>c,d</sup>**

<sup>a</sup>Catalysis and Nanomaterials Research laboratory, Department of Chemistry,  
Loyola College, Chennai-34, India.

<sup>b</sup>Materials Division, School of advanced Sciences, Vellore Institute of Technology (VIT)  
University, Chennai Campus, Chennai-127, India.

<sup>c</sup>Nanotechnology centre, University of Bahrain, PO Box 32038, Kingdom of Bahrain.

<sup>d</sup>Department of Physics, College of Science, University of Bahrain, PO Box 32038, Kingdom  
of Bahrain.

\* Corresponding author. Tel.: +91 44 28178333; fax: +91 44 28175566.

E-mail address: [jjvijayaloyola@yahoo.co.in](mailto:jjvijayaloyola@yahoo.co.in)

[jjvijaya78@gmail.com](mailto:jjvijaya78@gmail.com)

Download English Version:

<https://daneshyari.com/en/article/10625296>

Download Persian Version:

<https://daneshyari.com/article/10625296>

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