

# Accepted Manuscript

Investigation of structural, dielectric and magnetic properties of Ho substituted nanostructured lithium ferrites synthesized via auto-citric combustion route

Alina Manzoor, Muhammad Azhar Khan, Muhammad Shahid, Muhammad Farooq Warsi



PII: S0925-8388(17)30937-4

DOI: [10.1016/j.jallcom.2017.03.154](https://doi.org/10.1016/j.jallcom.2017.03.154)

Reference: JALCOM 41192

To appear in: *Journal of Alloys and Compounds*

Received Date: 23 November 2016

Revised Date: 21 February 2017

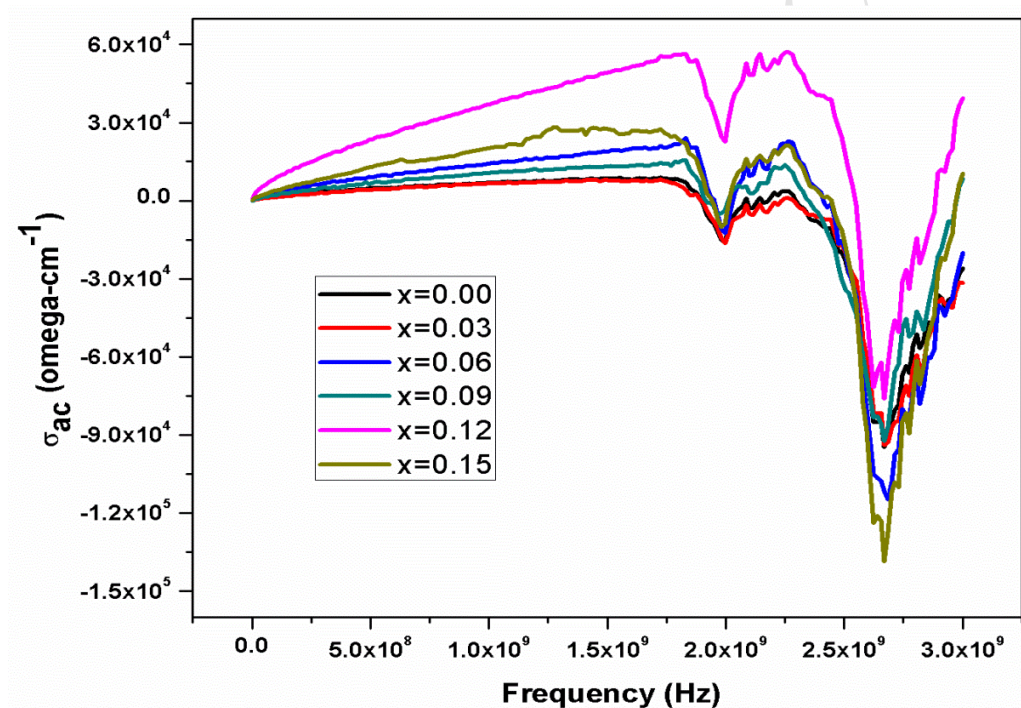
Accepted Date: 14 March 2017

Please cite this article as: A. Manzoor, M.A. Khan, M. Shahid, M.F. Warsi, Investigation of structural, dielectric and magnetic properties of Ho substituted nanostructured lithium ferrites synthesized via auto-citric combustion route, *Journal of Alloys and Compounds* (2017), doi: 10.1016/j.jallcom.2017.03.154.

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 proof before it is published in its final 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.

### Graphical Abstract

Holmium doped nanocrystalline  $\text{Li}_{1.2}\text{Co}_{0.4}\text{Ho}_x\text{Fe}_{2-x}\text{O}_4$  ferrites synthesized via auto-citric combustion method were investigated in detail. Effects of cationic distribution on structural, spectral and dielectric properties were evaluated systematically. Damped dielectric parameters ( $\epsilon'$ ,  $\epsilon''$ ,  $\tan\delta$ ) may suggest that these nanomaterials may find their applications in microwave devices and modern telecommunication industry.



Download English Version:

<https://daneshyari.com/en/article/5461143>

Download Persian Version:

<https://daneshyari.com/article/5461143>

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