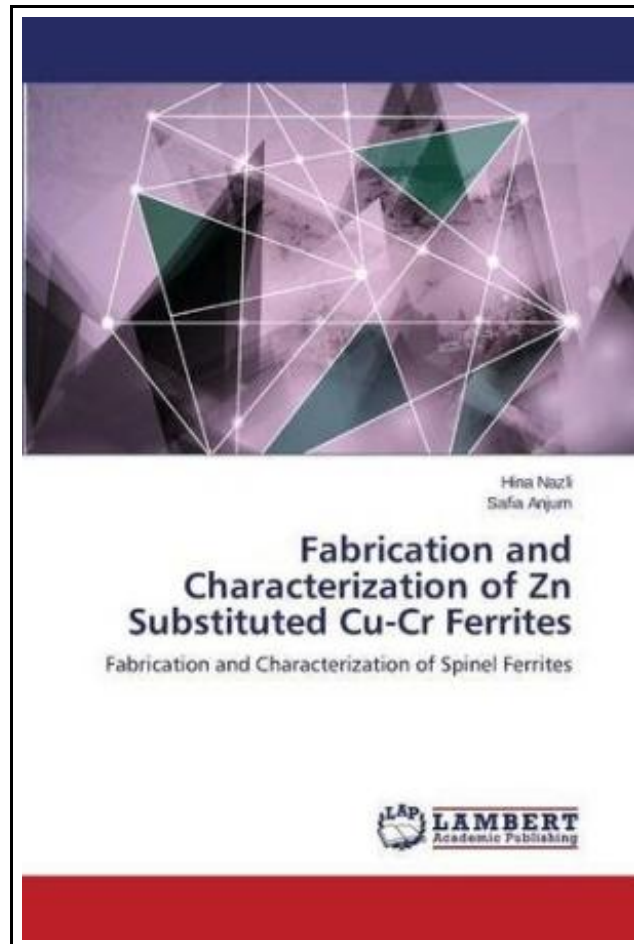


# Fabrication and Characterization of Zn Substituted Cu-Cr Ferrites



Filesize: 8.51 MB

## ***Reviews***

*It is an awesome ebook which i actually have at any time read through. It usually fails to charge excessive. It is extremely difficult to leave it before concluding, once you begin to read the book.  
(Dario Murazik IV)*

## FABRICATION AND CHARACTERIZATION OF ZN SUBSTITUTED CU-CR FERRITES

DOWNLOAD



LAP Lambert Academic Publishing Dez 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - This research project is aimed to fabricate and characterize zinc substituted copper chromium spinel ferrites of compositional scheme of  $Zn_xCu_{1-x}Cr_{0.5}Fe_{1.5}O_4$  (Where  $x=0, 0.2, 0.4, 0.6, 0.8$ ) prepared by powder metallurgical methods using 99.99% commercially available ZnO, CuO, Cr<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>O<sub>3</sub> as starting material. Accurately weigh powder were ball milled and calcined for 24 hours at 1100°C. Then the calcined powders were homogenized using A-gate motor- pestle then sintered at 900°C for 10hours. Thermal, structural, morphological, elemental, magnetic, optical and dielectric properties were carried out using TGA-DTA, XRD, FESEM, EDS, VSM, FTIR and LCR meter respectively. TGA-DTA data provides the optimum temperature for the fabrication of spinel ferrites and later XRD micrographs reveal the formation of single phase spinel structure showing lattice parameters increases and x-ray and bulk density decreases as Zn content increases. FESEM shows the aggregated grain growth. FTIR spectra show two prominent bands in the range of 400-800  $cm^{-1}$  which confirm the formation of spinel ferrites. The dielectric loss tangent and dielectric constant ( $\epsilon$ ) decreases as frequency increases. 76 pp. Englisch.



[Read Fabrication and Characterization of Zn Substituted Cu-Cr Ferrites Online](#)



[Download PDF Fabrication and Characterization of Zn Substituted Cu-Cr Ferrites](#)

## Related PDFs



### **Read Write Inc. Phonics: Orange Set 4 Storybook 6 a Good Cook?**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 210 x 148 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Download ePub »](#)



### **Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]**

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Download ePub »](#)



### **Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to...

[Download ePub »](#)



### **Read Write Inc. Phonics: Purple Set 2 Storybook 4 Tim and Tom**

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 210 x 159 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Download ePub »](#)



### **Cloverleaf Kids: Kids and adults alike will enjoy these hilarious stories and antics of me,my siblings and our friends growing up in a small town in . over & over and always got a good laugh.**

CreateSpace Independent Publishing Platform. PAPERBACK. Book Condition: New. 1482737256 Special order direct from the distributor.

[Download ePub »](#)