



ZnO Thin Films for Optoelectronic Applications

By Prasada Rao Talakonda

LAP LAMBERT Academic Publishing. Paperback. Book Condition: New. Paperback. 220 pages. Dimensions: 8.7in. x 5.9in. x 0.5in. Zinc oxide (ZnO) thin films have good electro-optical properties suitable for opto-electronic applications. The present study explains the deposition and characterization of n-type and p-type ZnO thin films by spray pyrolysis. The films were characterized by different methods to understand their structural, optical and electrical properties. Gallium was chosen as the impurity dopant in ZnO films to improve the electrical properties. The electrical conductivity, carrier concentration and mobility of Ga doped ZnO (GZO) films were highly improved in comparison to undoped ZnO films. The GZO films showed good optical transmittance in the visible region. The electrical and optical results suggest that the GZO films are suitable to use as a TCO in optoelectronic industries. The p-type ZnO thin films were successfully realized using dual acceptor method. The Hall measurements and room temperature photoluminescence results were supported p-type nature of (Li, N): ZnO thin films. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.



READ ONLINE
[2.81 MB]

Reviews

Merely no phrases to describe. It really is rally intriguing throug reading time. I am happy to tell you that this is basically the greatest book i have go through in my own lifestyle and might be he greatest book for ever.

-- **Kattie Wunsch**

I actually started out reading this article ebook. This is for those who statte that there had not been a worth reading. Its been developed in an extremely easy way and it is just after i finished reading this book in which in fact modified me, change the way i really believe.

-- **Antonetta Ritchie IV**

Other PDFs



DK Readers The Story of Muhammad Ali Level 4 Proficient Readers

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.7in. x 6.5in. x 0.2in. Written by leading children's authors and compiled by leading experts in the field, DK Readers are one of the most delightful ways to capture children's interest and help...



DK Readers Animal Hospital Level 2 Beginning to Read Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.8in. x 0.1in. This Level 2 book is appropriate for children who are beginning to read alone. When Jack and Luke take an injured duck to the vet, it is just...



The Day I Forgot to Pray

Tate Publishing. Paperback. Book Condition: New. Paperback. 28 pages. Dimensions: 8.7in. x 5.8in. x 0.3in. Alexis is an ordinary five-year-old who likes to run and play in the sandbox. On her first day of Kindergarten, she makes her first school-aged friend, Elizabeth, and...



The Secret Life of Trees DK READERS

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 9.0in. x 6.0in. x 0.1in. This Level 2 book is perfect for children who are beginning to read alone. Why do trees lose their leaves in winter? How do insects hide on bare...



DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs to life. Join the ducklings, cows, and...



Don't Line Their Pockets With Gold Line Your Own A Small How To Book on Living Large

Madelyn D R Books. Paperback. Book Condition: New. Paperback. 106 pages. Dimensions: 9.0in. x 6.0in. x 0.3in. This book is about my cousin, Billy, a guy who taught me a lot over the years and who can teach you a lot. Everyone who...