


[DOWNLOAD](#)


Fabrication of a Solar Cell from Thin Films using Solution Technique

By Cliff Orori Mosiori

GRIN Verlag Jul 2014, 2014. sonst. Bücher. Book Condition: Neu. 211x151x4 mm. This item is printed on demand - Print on Demand Neuware - Scholarly Research Paper from the year 2012 in the subject Energy Sciences, grade: B, , course: Material Engineering Technology, language: English, comment: This is a research project report leading to a Master of Science Degree in Electronics and Instrumentation of Kenyatta University. , abstract: In this work, n-type CdxZn1-xS and p-type PbS layers were optimized through chemical solution technique for solar cells. CdxZn1-xS was grown at 820 C while PbS was grown at room temperature utilizing aqueous conditions. Optical constants suitable for solar cells fabrication were investigated. CdxZn1-xS films had a band gap varying from 2.47eV (x = 0.6) to 2.72 eV (x = 1.0), transmittance above 79% in VIS - NIR region with resistivity range of 9.5×10^1 to 1.22×10^2 -cm. PbS had a band gap of 0.89 eV, transmittance below 55% with a resistivity range of 6.78×10^3 to 1.26×10^4 -cm appropriate for solar cell absorber layers. Their solar cell had a short circuit current, $I_{sc} = 0.031A$, open voltage, $V_{oc} = 0.37 V$, efficiency, = 0.9% with a fill factor,...



READ ONLINE
[3.57 MB]

Reviews

This composed book is excellent. This really is for all who statte that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook.

-- **Cheyenne Barrows**

The book is fantastic and great. I have go through and i also am certain that i will planning to read through once more once more down the road. Its been printed in an exceedingly simple way and is particularly simply after i finished reading through this publication through which really changed me, change the way i think.

-- **Hank Powlowski**

Other Kindle Books



With Chatwin: Portrait of a Writer

Knopf. Hardcover. Book Condition: New. 0679410333 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!! * I...



Portrait of a Marriage: V. Sackville-West and Harold Nicolson

Atheneum. PAPERBACK. Book Condition: New. 0689705972 12+ Year Old paperback book- Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!!! * I am a reputable...



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 expand and inspire young minds; this is...



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 expand and inspire young minds; this is...



Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.8in. x 6.7in. x 0.2in.Van Gogh for Kids 9. 754. 99-PaperbackABOUT SMART READS for Kids. . . Love Art, Love Learning Welcome. Designed to expand...



Scratch 2.0 Programming for Teens

Cengage Learning, Inc, United States, 2014. Paperback. Book Condition: New. 2nd Revised edition. 230 x 186 mm. Language: English . Brand New Book. With Scratch 2.0, getting started in computer programming is easier and more fun than ever. And with this completely...