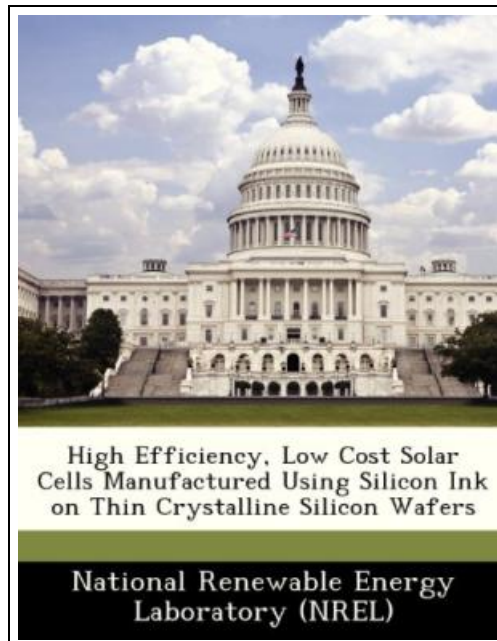


High Efficiency, Low Cost Solar Cells Manufactured Using Silicon Ink on Thin Crystalline Silicon Wafers



Filesize: 6.87 MB

Reviews

The book is fantastic and great. I have got read through and i am confident that i will planning to read yet again once again in the foreseeable future. I found out this book from my dad and i recommended this publication to discover.
(Prof. Nicole Zieme)

HIGH EFFICIENCY, LOW COST SOLAR CELLS MANUFACTURED USING SILICON INK ON THIN CRYSTALLINE SILICON WAFERS

[DOWNLOAD](#)

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.Reported are the development and demonstration of a 17 efficient 25mm x 25mm crystalline Silicon solar cell and a 16 efficient 125mm x 125mm crystalline Silicon solar cell, both produced by Ink-jet printing Silicon Ink on a thin crystalline Silicon wafer. To achieve these objectives, processing approaches were developed to print the Silicon Ink in a predetermined pattern to form a high efficiency selective emitter, remove the solvents in the Silicon Ink and fuse the deposited particle Silicon films. Additionally, standard solar cell manufacturing equipment with slightly modified processes were used to complete the fabrication of the Silicon Ink high efficiency solar cells. Also reported are the development and demonstration of a 18.5 efficient 125mm x 125mm monocrystalline Silicon cell, and a 17 efficient 125mm x 125mm multicrystalline Silicon cell, by utilizing high throughput Ink-jet and screen printing technologies. To achieve these objectives, Innovalight developed new high throughput processing tools to print and fuse both p and n type particle Silicon Inks in a predetermined pat-tern applied either on the front or the back of the cell. Additionally, a customized Ink-jet and screen printing systems, coupled with customized substrate handling solution, customized printing algorithms, and a customized ink drying process, in combination with a purchased turn-key line, were used to complete the high efficiency solar cells. This development work delivered a process capable of high volume producing 18.5 efficient crystalline Silicon solar cells and enabled the Innovalight to commercialize its technology by the summer of 2010.

[Read High Efficiency, Low Cost Solar Cells Manufactured Using Silicon Ink on Thin Crystalline Silicon Wafers Online](#)[Download PDF High Efficiency, Low Cost Solar Cells Manufactured Using Silicon Ink on Thin Crystalline Silicon Wafers](#)

See Also



Weebies Family Halloween Night English Language: English Language British Full Colour

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Children s Weebies Family Halloween Night Book 20 starts to teach Pre-School and...

[Save Document »](#)



Is It Ok Not to Believe in God?: For Children 5-11

Createspace, United States, 2014. Paperback. Book Condition: New. Large Print. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.A short story about an 8 year old girl called Tia,...

[Save Document »](#)



Some of My Best Friends Are Books : Guiding Gifted Readers from Preschool to High School

Book Condition: Brand New. Book Condition: Brand New.

[Save Document »](#)



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in.Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead....

[Save Document »](#)



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 x 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents...

[Save Document »](#)

**Welcome to Bordertown: New Stories and Poems of the Borderlands**

BRILLIANCE AUDIO, United States, 2015. CD-Audio. Book Condition: New. Unabridged. 170 x 135 mm. Language: English . Brand New. Audie Award Finalist: Best Short Story Collection Bordertown: a city on the Border between the human

[Save Book »](#)

**A Parent s Guide to STEM**

U.S. News World Report, United States, 2015. Paperback. Book Condition: New. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****.This lively, colorful guidebook provides everything you need to know

[Save Book »](#)

**The Religious Drama: An Art of the Church (Beginning to 17th Century) (Christian Classics Revived: 5)**

Christian World Imprints/B.R. Publishing Corporation, New Delhi, India, 2014. Hardcover. Book Condition: New. Dust Jacket Condition: New. Reprinted. This classical on ageless Christian Drama aims to present periods when actually dramatic performances or `Religious Drama'

[Save Book »](#)

**Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success**

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How

[Save Book »](#)

**No Friends?: How to Make Friends Fast and Keep Them**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Do You Have NO Friends? Are you tired of not having any

[Save Book »](#)