

and Tandem Junction Devices: Final Technical Report

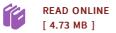
National Renewable Energy Laboratory (NREL)



High Efficiency Narrow Gap and Tandem Junction Devices: Final Technical Report

By National Renewable Energy Laboratory (NREL)

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. The work described in this report uses a modified pulsed plasma-enhanced chemical vapor deposition (PECVD) technique that has been successfully developed to fabricate state-of-the-art nc-Si materials and devices. Specifically, we have achieved the following benchmarks: nc SiH device with an efficiency of 8 achieved at a deposition rate of 1 A/s; nc SiH device with an efficiency of 7 achieved at a deposition rate of 5 A/s; large-area technology developed using pulsed PECVD with uniformity of +/-5 over 25 cm x 35 cm; devices have been fabricated in the large-area system (part of Phase 3); an innovative stable four-terminal (4-T) tandem-junction device of h> 9 fabricated. (Note that the 4-T device was fabricated with existing technology base and with further development can reach stabilized h of 12); and with improvement in Voc 650 mV, from the current value of 480 mV can lead to stable 4-T device with h>16 . Toward this objective, modified pulsed PECVD was developed where layer-by-layer modification of nc-SiH has been achieved. (Note that due to budget cuts at NREL, this project was...



Reviews

A high quality book and also the typeface utilized was exciting to read. This really is for anyone who statte there was not a worthy of reading. I am easily will get a enjoyment of reading a written ebook.

-- Burnice Carter

Most of these publication is the ideal ebook readily available. it was actually writtern very flawlessly and beneficial. I discovered this book from my i and dad suggested this book to find out. -- Prof. Lavern Brakus

Relevant eBooks

\rightarrow

TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Preemployment Training software download generated pictures...

\rightarrow	

TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Preemployment Training software download generated pictures...

\rightarrow	

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...

\rightarrow

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...

\rightarrow

Hitler's Exiles: Personal Stories of the Flight from Nazi Germany to America

New Press. Hardcover. Book Condition: New. 1565843940 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!! *...

\rightarrow

TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Preemployment Training software download generated pictures...