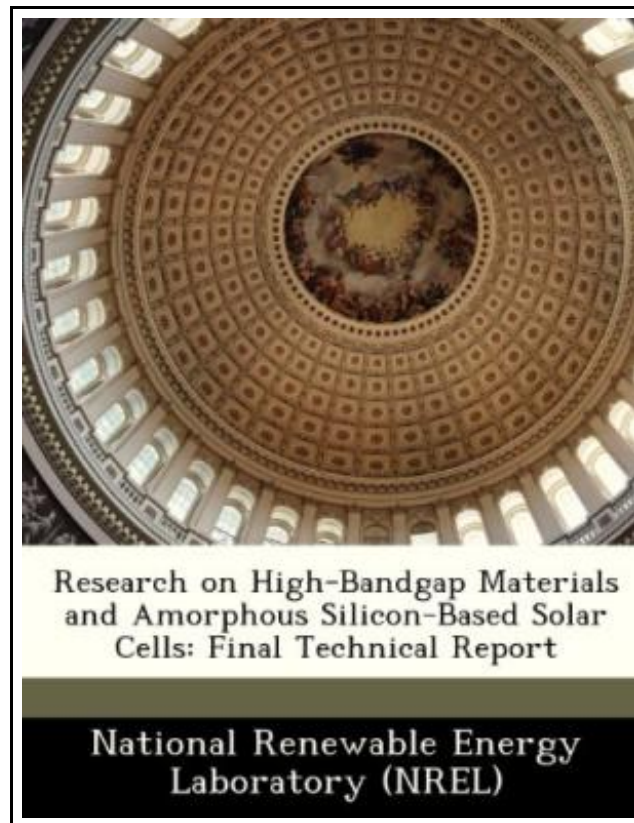


## Research on High-Bandgap Materials and Amorphous Silicon-Based Solar Cells: Final Technical Report (Paperback)



Filesize: 4.47 MB

### ***Reviews***

*It is really an amazing publication that I actually have possibly study. It is actually packed with knowledge and wisdom You will not really feel monotony at whenever you want of your time (that's what catalogs are for regarding in the event you request me).*

***(Walton Watsica)***

## RESEARCH ON HIGH-BANDGAP MATERIALS AND AMORPHOUS SILICON-BASED SOLAR CELLS: FINAL TECHNICAL REPORT (PAPERBACK)

[DOWNLOAD](#)

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This report describes work performed by Syracuse University under this subcontract. Researchers developed a technique based on electroabsorption measurements for obtaining quantitative estimates of the built-in potential  $V_{bi}$  in a-Si: H-based heterostructure solar cells incorporating microcrystalline or a-SiC: H p layers. Using this new electroabsorption technique, researchers confirmed previous estimates of  $V_{bi}$  approx. equal to 1.0 V in a-Si: H solar cells with conventional intrinsic layers and either microcrystalline or a-SiC: H p layers. Researchers also explored the recent claim that light-soaking of a-Si: H substantially changes the polarized electroabsorption associated with interband optical transitions (and hence, not defect transitions). Researchers confirmed measurements of improved (5X) hole drift mobilities in some specially prepared a-Si: H samples. Disturbingly, solar cells made with such materials did not show improved efficiencies. Researchers significantly clarified the relationship of ambipolar diffusion-length measurements to hole drift mobilities in a-Si: H, and have shown that the photocapacitance measurements can be interpreted in terms of hole drift mobilities in amorphous silicon. They also completed a survey of thin BP: H and BPC: H films prepared by plasma deposition using phosphine, diborane, trimethylboron, and hydrogen as precursor gases.



[Read Research on High-Bandgap Materials and Amorphous Silicon-Based Solar Cells: Final Technical Report \(Paperback\) Online](#)



[Download PDF Research on High-Bandgap Materials and Amorphous Silicon-Based Solar Cells: Final Technical Report \(Paperback\)](#)

## Other PDFs



**The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574) (Paperback)**

Eebo Editions, Proquest, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download Book »](#)



**Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download...

[Download Book »](#)



**A Year Book for Primary Grades; Based on Froebel s Mother Plays (Paperback)**

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download...

[Download Book »](#)



**Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)**

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

[Download Book »](#)



**Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)**

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

[Download Book »](#)