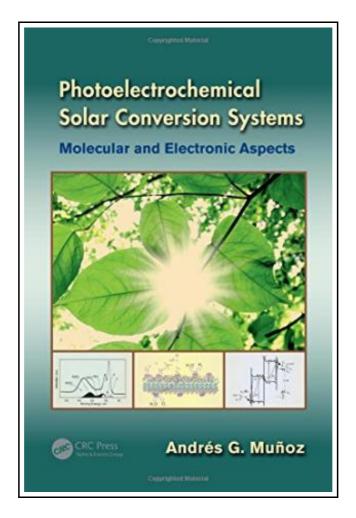
Photoelectrochemical Solar Conversion Systems: Molecular and Electronic Aspects (Hardback)



Filesize: 2.03 MB

Reviews

The ebook is straightforward in read through preferable to comprehend. It is definitely simplified but shocks within the fifty percent of your pdf. Your lifestyle span is going to be transform when you total reading this publication.

(Dr. Jarrett Bednar)

PHOTOELECTROCHEMICAL SOLAR CONVERSION SYSTEMS: MOLECULAR AND ELECTRONIC ASPECTS (HARDBACK)



Taylor Francis Inc, United States, 2012. Hardback. Book Condition: New. New.. 231 x 160 mm. Language: English . Brand New Book, Providing new insights into the molecular and electronic processes involved in the conversion of sunlight into chemical products, Photoelectrochemical Solar Conversion Systems: Molecular and Electronic Aspects begins with an historical overview and a survey of recent developments in the electrochemistry of semiconductors and spectroscopic techniques. It then provides a comprehensive introduction to the science of conversion cells, reviews current issues and potential directions, and covers a wide range of materials from organic to inorganic cells. Employing a tutorial organization with balanced coverage of electrochemistry and solar energy conversion, this book covers: * The conversion of sunlight into chemical energy and different actual conversion concepts * Electrochemical methods for the construction and characterization of electrolyte-metal-oxide-semiconductor contacts (EMOS) in the nanodimensions, the socalled nano-emitter concept, including the electrochemical formation of metal clusters of catalytic metals and the formation of passivating layers by anodization * The fundamentals of electrocatalysis with emphasis on the hydrogen evolution reaction and the electrochemical CO2 reduction * Classical and quantum mechanical theories of electron transfer reactions in metal-electrolyte interfaces and their relation with surface electronics * The physicochemical characterization of the model system Si-SiOx-metal-electrolyte by means of modern electrochemical, surface, and spectroscopic methods * Improvements of conversion efficiency by means of optical effects, for example, the generation of surface plasmons by nano-dimensioned arrangements of optically active metals.

Read Photoelectrochemical Solar Conversion Systems: Molecular and Electronic Aspects (Hardback) Online

Download PDF Photoelectrochemical Solar Conversion Systems: Molecular and Electronic Aspects (Hardback)

Related PDFs



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 ePub »



Wish I Was There: I Was the Golden Girl of British Cinema. and Then My Life Fell to Pieces. This is My Story.

John Blake Publishing Ltd, 2014. Paperback. Book Condition: New. ***NEW BOOK DISPATCHED DAILY FROM THE UK*** Daily dispatch from UK warehouse.

Save ePub »



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...

Save ePub »



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...

Save ePub »



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...

Save ePub »