



## Solar Energy Conversion

By Gertz I. Likhtenshtein

Wiley VCH Verlag GmbH Mrz 2012, 2012. Buch. Book Condition: Neu. 210x159x12 mm. Neuware - Finally filling a gap in the literature for a text that also adopts the chemist's view of this hot topic, Professor Likhtenshtein, an experienced author and internationally renowned scientist, considers different physical and engineering aspects in solar energy conversion. From theory to real-life systems, he shows exactly which chemical reactions take place when converting light energy, providing an overview of the chemical perspective from fundamentals to molecular harvesting systems and solar cells. This essential guide will thus help researchers in academia and industry better understand solar energy conversion, and so ultimately help this promising, multibillion dollar field to expand. From the contents: Electron Transfer Theories Principle Stages of Photosynthetic Light Energy Conversion Photochemical Systems of Light Energy Conversion Redox Processes on Surface of Semiconductors and Metals Dye-Sensitized Solar Cells Photocatalytic Reduction and Oxidation of Water 273 pp. Englisch.

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