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Silicon Based Thin Film Solar Cells

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About the ebook

Silicon Based Thin Film Solar Cells explains concepts related to technologies for silicon (Si) based photovoltaic applications. Topics in this book focus on 'new concept' solar cells. The textbook is a valuable resource for graduate students working on their theses, young researchers and all people approaching problems and fundamental aspects of advanced photovoltaic conversion.

Contents

- ▶ Basics of Thin Film Solar Cells
- ▶ Deposition of Thin Films: PECVD Process
- ▶ Sputtering of Thin Films
- ▶ Molecular Beam Epitaxy (MBE)
- ▶ Infrared and Raman Spectroscopies
- ▶ Morphological and Structural Properties
- ▶ Optical Properties of Semiconductors
- ▶ Electrical Properties of Semiconductors

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