



Transparent Conductive Zinc Oxide: Basics and Applications in Thin Film Solar Cells (Springer Series in Materials Science)

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Zinc oxide (ZnO) belongs to the class of transparent conducting oxides that can be used as transparent electrodes in electronic devices or heated windows. In this book the material properties of, the deposition technologies for, and applications of zinc oxide in thin film solar cells are described in a comprehensive manner. Structural, morphological, optical and electronic properties of ZnO are treated in this review.

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Editorial Review

Review

From the reviews:

"A work devoted to the deposition technology and properties of zinc oxide, a transparent conducting material, and its various applications to thin film solar cells. ... A list of references accompanies each chapter ... of this well-written book. Illustrations are good ... Graduate students, faculty, and professional engineers will benefit from this book, which offers a broad overview of the subject and a thesaurus of useful data. An excellent acquisition for an academic or industrial library. Summing Up: Recommended. Upper-division undergraduates through professionals." (T. Z. Kattamis, CHOICE, Vol. 45 (11), July, 2008)

From the Back Cover

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