Semiconducting Transparent Thin Films,

By H. L. Hartnagel, A. L. Dawar, A. K. Jain

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A comprehensive account of the properties, growth and applications of semiconducting transparent thin films, this book provides a single source reference for researchers in the field. It discusses the underlying physics of such films, and their commercial applications in such areas as gas sensors and temperature control coatings in the aerospace industry. It is clearly written, with sections on the different materials, different growth techniques, electrical properties, optical properties, and selected applications, for coatings, sensors, detectors and display devices.
It is a valuable reference tool for the established researcher, and provides a comprehensive introcution to the subject for graduates of electrical and electronic engineering.
The international team of authors, under the leadership of one of the world's authorities on the subject have written a book which has become the standard work in the field.

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Editorial Review

Review
"The primary highlight of the book is that the experience of the authors allows them to sift through a great deal of literature and synthesize it down to its key elements. There is an excellent feature ... on growth techniques ... of great help to those entering the field ... an abundance of figures and tables that allow readers to quickly understand the main points, the reference list is comprehensive. ... an excellent overview for those already in the field, or to graduate-level researcher just beginning. The list price makes is available to the individual researcher. ... a very well-written monograph ... a seamless, coherent coverage of transparent conducting oxides, ... should find a welcome niche in the professional community. I recommend it ..." -- *MRS Bulletin, August 1997*

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