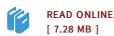# Activated Reactive Evaporated Chromogenic Metal Oxide Thin Films

By Koduru Hari Krishna

LAP LAMBERT Academic Publishing. Paperback. Book Condition: New. Paperback. 232 pages. Dimensions: 8.7in. x 5.9in. x 0.5in.Around the Globe, utilization of electrical energy has been increasing substantially and became inevitable source to fulfil the metropolitan human life needs, ever expanding industrialization and corporate companies requirements. In this regard, renewable energy researcherss community has been striving for the best alternatives to reduce the utilization of electrical energy and triggered their research towards electrochromic window technology. Transition metal oxides (TMOs) have been recognized as versatile chromogenic materials in thin film configuration. It is noteworthy that, chromogenic properties of thin films significantly depend on type of deposition technique and processing parameters. In the present book, we presented the preparation of Metal Oxide thin films grown by Plasma Assisted Activated Reactive Evaporation and carried out a comparative investigation on Microstructural and electrochromic properties of amorphous, nano-crystalline and polycrystalline thin films. In addition to present study, we extended our research to grow Nano-crystalline metal oxide thin films on ITO coated flexible substrates for cutting-edge future-based electrochromic technological needs This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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