

Molybdenum oxide thin films for transparent electronics

In this work it was investigated the structural, electrical and optical properties of molybdenum oxide thin films, which are synthesized by ion-beam sputtering, depending on technological parameters. It was found the possibility to increase transparency of the material by twice, and its electrical resistance to 3-4 orders of magnitude by changing the temperature and time of deposition.

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Track Classification: Physics of Semiconductors and Dielectrics, Semiconductor's Devices