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Metallic Oxynitride Thin Films by Reactive Sputtering and Related Deposition Methods: Processes, Properties and Applications

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About the ebook

This e-book provides valuable information about the process modeling, fabrication and characterization of metallic oxynitride-based thin films produced by reactive sputtering and some related deposition processes

Contents

- Modelling of Reactive Sputter Deposition of Oxynitrides
- Reactive Gas Pulsing Process for Oxynitride Thin Films
- Tuneable Properties of Zirconium Oxynitride Thin Films
- Gradual Evolution of the Properties in Titanium Oxynitride Thin Films
- A Comprehensive Study of the Properties of Sputtered NbOxNy Thin Films
- Tuneable Properties of Aluminium Oxynitride Thin Films
- HfSiON Films Deposited by Radio Frequency Reactive Sputtering
- Properties of Oxynitride Thin Films for Biomedical Applications

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