

Advances in thin films, nanostructured materials, and coatings: selected papers from the 2018 international conference on nanomaterials: applications & properties

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20506167&lokasi=lokal>

Abstrak

This book highlights the latest advances in chemical and physical methods for thin-film deposition and surface engineering, including ion- and plasma-assisted processes, focusing on explaining the synthesis/processing-structure-properties relationship for a variety of thin-film systems. It covers topics such as advances in thin-film synthesis; new thin-film materials: diamond-like films, granular alloys, high-entropy alloys, oxynitrides, and intermetallic compounds; ultra-hard, wear- and oxidation-resistant and multifunctional coatings; superconducting, magnetic, semiconducting, and dielectric films; electrochemical and electroless depositions; thin-film characterization and instrumentation; and industrial applications.