Special Issue

Deposition and Characterization of Thin Metallic- and Semiconductor-Based Films

Message from the Guest Editor

The aim of this Issue is to provide insight into the recent development of techniques for the preparation and characterization of thin films. Especially interesting are the techniques enabling the self-assembled growth of regularly ordered nanostructures, complex nano-objects like core/shell nanoparticles or nanowires, as well as all types of thin films with some interesting properties and/or applications. Another focus of this Issue concerns the modern techniques for the efficient characterization of the thin films' properties. Grazing incidence X-ray based techniques are welcomed, as well all others techniques sensitive to the close-to-the-surface area of the material. Techniques for the characterization of the optical and electrical properties of the thin films are of high interest as well. Keywords

- Deposition of semiconductor- and metallic-based thin films
- thin film characterization

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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