Special Issue

Preparation, Characterization and Application of Metal Oxide Thin Films

Message from the Guest Editor

Metal oxide thin films have been widely used in various applications such as sensors, semiconductors, displays, and optical fields. There are various techniques, such as physical vapor deposition (PVD), chemical vapor deposition (CVD), atomic layer deposition(ALD), and sol–gel coating as methods for forming metal oxide thin films. Such metal oxide films could have a porous or very dense structure. Our aim is for this Special Issue to broadly cover the formation mechanism of structure of metal oxide thin films, unique methods for analyzing these thin films, and their potential applications to high-tech industry. Additionally, even if not included in the list below, this Special Issue invites papers from the very wide research fields adjacent to or indirectly related to metal oxide thin films.

Guest Editor

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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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