Special Issue

Preparation and Properties of Thin Films

Message from the Guest Editor

Pulsed laser deposition (PLD) is a widely used technique for processing materials, such as thin films, for various technical applications. One application of thin films is its use as an active membrane for gas sensors. Nowadays, research is being done to find new materials for use in the detection of toxic gases. Of particular interest is obtaining thin films with desired morphology surfaces that are able to detect toxic gases. Therefore, knowledge on the crystalline structure, morphology of the surface, and optical band gap is of great interest. In addition, knowledge on plasma plume generated by lasers is necessary for understanding the physical parameters when obtaining a better active sensor membrane.

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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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