Special Issue

Advanced Thin Films for Sensors

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 their use as active membranes for gas sensors. Nowadays, research is being carried out 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 the plasma plume generated by lasers is necessary for understanding the physical parameters when obtaining a better active sensor membrane.

Guest Editor

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