Special Issue

Advanced Nanomaterials and Thin Films: Microstructure, Optical Properties and Applications

Message from the Guest Editor

We are pleased to invite you to contribute a manuscript for inclusion in this Special Issue. In this Special Issue, we will address recent progress in nanomaterials and thin films, the processing technology behind them, and their advanced characteristics. This Special Issue aims to provide a forum for publishing papers that advance the in-depth understanding of the relationship between the synthesis, microstructure, physical properties, and functions of all kinds of nanomaterials and thin films. It covers all aspects of materials science and engineering, including structural, mechanical, electronic, magnetic, and optical properties, as well as their various applications.

Advanced nanomaterials and thin films are currently among the most active research fields in materials sciences and engineering applications. Thin films have been widely used for industrial products in making electronic devices, optical coatings, instrument hard coatings, decorative parts, etc.

In this Special Issue, original research articles and reviews are welcome. We invite researchers from around the world to present their research results on this topic.

Guest Editor

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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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