Special Issue

Nanostructured Thin Films: Growth, Characteristics and Applications: 2nd Edition

Message from the Guest Editor

Nanotechnology is an applied science that studies the design, composition, properties, and applications of substances and devices at the nanoscale. Thin-film materials are thin metal substances or organic substances with thicknesses ranging from a single atom to a few millimetres. Electronic semiconductor devices and optical coatings are the main applications of thin-film technology today. This Special Issue of *Nanomaterials* aims to collate research on nanostructured thin films, specifically regarding their growth, characteristics, and applications in various fields of technology and science. For this Special Issue, we invite contributions from leading groups in the field with the aim of providing a balanced view of the current state-of-the-art thin-film technology.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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