Special Issue

Advances and Innovations in Glancing Angle Deposition and Related Nanostructures

Message from the Guest Editors

Glancing Angle Deposition (GLAD) is a sophisticated nanofabrication technique that is used to design three-dimensional and other types of nanostructures. In GLAD, the substrate is tilted at a controlled angle relative to the incoming vapor or ion flux and can be rotated azimuthally. This unique deposition method, in combination with templates and/or deposition configurations, allows for the creation of complex and precisely engineered nanostructures with a wide range of morphologies. The resulting films exhibit novel mechanical, electrical, magnetic, optical, and chemical properties, making GLAD a versatile and powerful tool for broad applications in optical coatings, sensors, catalysis, microelectronics, photonic devices, biomedical devices, energy devices, MEMS/NEMS devices, etc. The focus of this Special Issue on *Nanomaterials* is to highlight the following fields:

- Understanding GLAD growth mechanisms;
- Novel structures and materials fabricated by GLAD;
- The characterization of GLAD materials and structures;
- The physics and chemical properties of GLAD structures;
- Various applications of GLAD materials and structures.

Guest Editors

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Deadline for manuscript submissions

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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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