Special Issue

New Perspective on Micro- and Nano-Lithography Technology

Message from the Guest Editor

This Special Issue will showcase cutting-edge research and advancements in micro- and nano-lithography, which play pivotal roles in shaping next-generation nanomaterials and devices. With rapid advancements in lithographic techniques, including EUV, nanoimprint, and directed self-assembly, the possibilities for innovative applications across electronics, photonics, and biomedical engineering are expanding like never before. We are particularly seeking original research articles, comprehensive reviews, and perspectives that address the following:

- Novel lithographic techniques and methodologies;
- Applications in nanofabrication and device integration;
- Challenges and solutions in patterning at the atomic scale;
- Hybrid approaches combining top-down and bottom-up techniques.

Contributions from both academia and industry are highly encouraged to ensure a comprehensive exploration of this dynamic field.

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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