Special Issue

Nanomaterials grown by vaccum technologies and related applications: Selected Papers from TVS 2019 annual meeting

Message from the Guest Editor

There are many methods to obtain nanomaterials. The collaborative conference at the Taiwan Vacuum Society (TVS) 2019 annual meeting aims to enable vacuum technological developments in the applications of nanomaterial growth and to further extend nanomaterial applications. This Special Issue, “Nanomaterials Grown by Vacuum Technologies and Related Applications: Selected Papers from the TVS 2019 Annual Meeting”, will contain the accepted papers presented during the TVS 2019 annual meeting related to the topic. The selected papers will include nanomaterial preparation by vacuum technologies, characterization, properties, and the applications of any devices.

Guest Editor

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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

Prof. Dr. Eugenia Valsami-Jones
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