Special Issue

Properties and Applications of Two-Dimensional Materials

Message from the Guest Editor

This Special Issue of *Nanomaterials* focuses on the theoretical and experimental progress related to new 2D materials or 2D-materials-based nanostructures with fascinating structural characteristics, novel electronic properties, and outstanding application performances. In the present Special Issue, we invite authors from leading groups in the field to contribute original research articles or review articles covering (but not limited to) topics such as the newest findings and developments related to 2D materials and 2D-materials-based nanostructures in catalysis and energy conversion. It aims to attract the attention of both academic and industrial researchers in order to further our deep understanding of the properties of 2D materials and promote their applications in future.

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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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