Special Issue

Boron Nitride-Based Nanomaterials

Message from the Guest Editor

Boron nitride (BN) materials, as graphene-like materials, are known as one of the most promising inorganic materials of this century because of their unique structures and properties. Their applications range from the fields of physics, chemistry, and biology to medicine and more. This Special Issue aims to prepare a complete set of papers on synthesis methods for boron nitride nanomaterials and their applications in physics, chemistry, biology, medicine and other fields in order to truly show the latest research results in this frontier field, especially in the fields of catalysis, adsorption, separation and density functional theory calculation. We welcome the submission of small reviews, research papers, or short communications describing new breakthroughs. We sincerely encourage all researchers in this field to submit their manuscripts for consideration and publication in this Special Issue. Research areas may include (but are not limited to) the keywords below.

- boron nitride materials
- catalysis
- adsorption
- separation
- density functional theory calculations
- nanoelectronics
- photonics
- biomedical
- anti-corrosion

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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