Special Issue

Carbon Nanomaterials for Electrochemical Applications

Message from the Guest Editors

The rapid development of carbon science and technology has provided new opportunities for electrochemical applications. Recently, electrochemistry has been revealed to not only be closely related to inorganic chemistry, organic chemistry, analytical chemistry and chemical engineering, but also to play an important role in environmental science, energy science, biomedicine, information technology, modern industry and other fields. In this context, electrochemical science and technology have encountered unprecedented opportunities as well as challenges. The proposed Special Issue, entitled “Carbon Materials for Electrochemical Applications”, will focus on the state-of-the-art design, synthesis and characterization of various carbon electrode materials, as well as their electrochemical applications in the fields of electroanalysis, electrocatalyst, electrosynthesis, energy conversion, energy storage, and environment protection. The leading research groups in these fields will be invited to contribute to this Special Issue. See more information in https://mdpi.com/si/163464

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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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