Special Issue

Nanostructured Electrocatalysts for Hydrogen/Oxygen Evolution Reaction

Message from the Guest Editor

This Special Issue aims to comprehensively cover the latest advancements in the field of nanostructured electrocatalysts for HER and OER. It will encompass a wide range of topics, including synthesis techniques, characterization methods, fundamental studies on catalytic mechanisms, and practical applications in various energy conversion and storage devices. The Special Issue will showcase the research driving the field of nanostructured electrocatalysts for HER and OER. This may include innovative synthesis strategies, novel characterization techniques, insights into catalytic mechanisms, and improvements in device performance. We are inviting submissions of various types of papers, including original research articles, review papers, and perspective articles, with a focus on nanostructured electrocatalysts for HER and OER and their applications in energy conversion and storage systems. We look forward to receiving your contributions and sharing the latest advancements in the field of nanostructured electrocatalysts for HER and OER.

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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