



Modification Strategies on Engineering Electrocatalysts Related to Nanomaterials

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Deadline for manuscript
submissions:

24 May 2024

Message from the Guest Editors

Dear Colleagues,

Nowadays, electrocatalysis undeniably plays a key role in energy conversion and storage technologies, which shows wide applications encompassing fuel cells, water splitting devices and metal-air batteries. Therefore, searching and constructing highly active, stable electrocatalysts for energy conversion and storage devices is extremely appealing.

The present Special Issue of *Nanomaterials* is aimed at presenting the current state-of-the-art in the use of modification strategies on engineering electrocatalysts, a field that has been hot topics among these years. However, deep understanding of relationships among modification strategy, atomic structures, fundamental mechanism, and functionality are strongly needed, which may pay new ways for further investigations. The proposed Special Issue is inviting original articles in form of communications, full papers, and reviews demonstrating the progress in the research fields of modification strategies on engineering electrocatalysts from atomic structures, fundamental mechanism, and functionality, which shows applications in energy conversion and storage devices.





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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.

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