

Special Issue

Catalytic Applications of Metal Nanoparticles

Message from the Guest Editor

This Special Issue aims to publish recent original research articles, communications, and review articles relevant to the rational design of various metallic nanoparticles in the catalytic field, including morphologies, the architectures of metallic nanoparticles influencing their catalytic properties, and catalytic mechanism analysis.

Guest Editor

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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.

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