Special Issue

Metal Oxide Core-Shell Nanoparticles

Message from the Guest Editors

The core-shell structure has recently received considerable attention for its extensive application potential in various fields such as bio-medical, energy, and environment because of the combined function of the core and shell. In this inaugural Special Issue entitled “Metal Oxide Core-Shell Nanoparticles”, articles about designing metal core-shell nanoparticles, functionalizing via organic/inorganic compound, and fabricating complex-structured components of the shell layer will be gathered. We welcome contributions about purifying biomaterial, such as nucleic acid, protein, antibody, etc. However, the topics are not limited to bio-medical application and research about the core-shell nanoparticle for electronic devices, or environmental, energy and other applications included in our scope. In addition, research on the properties of metal oxide core-shell nanoparticles is welcomed, including functional properties, stability, and any other properties for future applications.

Guest Editors

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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