Special Issue

Advances in Metal Ion Research and Applications

Message from the Guest Editor

In this Special Issue, original research articles and reviews are welcome to be submitted. Research areas may include, but are not limited to, the following:

- Metal ion-based materials for energy storage (e.g., batteries, supercapacitors);
- Biological and biomedical applications of metal ions (e.g., drug delivery, imaging agents, enzyme mimicry);
- Metal ions in environmental remediation and pollution control (e.g., water treatment, desalination, CO2 capture);
- Metal ions in catalytic processes and energy conversion (e.g., electrochemical reactions, fuel cells, hydrogenation);
- Metal ion interactions with nanomaterials for sensing and diagnostics;
- Development of novel methods for metal ion detection and characterization;
- Advances in the synthesis and characterization of metal ion-based nanomaterials;
- Computational modeling of metal ion behavior in materials and biological systems;
- Coordination chemistry and molecular interactions of metal ions in complex systems;
- Advances in the understanding of metal ion interactions in materials science and electronics.

Guest Editor

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Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals.

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Editor-in-Chief

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