Special Issue

Inorganic Thermoelectric Materials: Advances and Applications

Message from the Guest Editor

Inorganic thermoelectric materials have emerged as a pivotal research focus, offering a sustainable pathway for the direct conversion of heat into electricity. This Special Issue, titled “Inorganic Thermoelectric Materials: Advances and Applications,” seeks to showcase cutting-edge research that pushes the boundaries of thermoelectric science and technology. We invite contributions spanning experimental and theoretical approaches, including the following:

- Novel synthesis and processing techniques for inorganic thermoelectrics;
- Advanced characterization of thermal and electronic transport properties;
- Theoretical modeling and computational design of high-performance materials;
- Strategies for enhancing ZT through nanostructuring, alloying, and composite design;
- Scalable fabrication and device integration for real-world applications.

Guest Editor

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About the Journal

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. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).