

Special Issue

Inorganic Materials for PEM Electrochemical Devices

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome, including (but are not limited to) the following:

- New advanced materials for electrochemical devices based on proton exchange membranes—hydrogen fuel cells, membrane-electrode assemblies, electrolyzers, hydrogen pumps, oxygen pumps, etc.;
- Novel inorganic materials for electrocatalysts, catalytic layers and sublayers with improved durability;
- Studies, including model studies, of the degradation processes in the components of the membrane electrode assemblies and methods for its mitigation;
- Coatings of different compositions and structures with high corrosion resistant properties for electrochemical devices;
- Promising non-carbon materials for current collectors, gas diffusion and porous transport layers and catalytic carriers;
- Inorganic additives to improve the properties of the membrane-electrode assembly and its components, including durability, corrosion resistant, conductivity, water balance, freeze resistance, etc.

Guest Editors

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Deadline for manuscript submissions

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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

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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).