Special Issue

Inorganic Materials for Solid Oxide Fuel Cells (SOFCs) and Electrolysis (SOEC)

Message from the Guest Editor

Solid Oxide Fuel Cells (SOFCs) and Solid Oxide Electrolysis Cells (SOECs) are efficient and clean energy conversion and storage technologies that have become an important focus globally. Over the past few years, as the global energy landscape has undergone profound changes, these technologies have moved beyond the laboratory and into practical applications, showing impressive progress. In particular, with the goal of achieving "carbon neutrality" and driving the global energy transition, SOFC/SOEC technologies are showing huge potential in fields like power generation, energy storage, and hydrogen production. In this Special Issue, we wish to cover novel SOFC/SOEC electrode materials; the synergistic optimization of fuel cells and electrolytes; the interconnection of SOFCs; novel solid electrolyte materials; lightweight porous metal supported SOFCs; interface engineering; and SOFCs' stack performance and durability.

Guest Editor

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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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