

## Special Issue

# State-of-the-Art and Progress in Metal-Hydrogen Systems

### Message from the Guest Editors

Hydrogen is heralded as a future global energy carrier. The National Hydrogen Strategy of Australia has set a target for a clean, innovative, safe and competitive hydrogen industry with expectations to become a major exporter in the hydrogen industry by 2030. As such, there is increasing interest from major industries to integrate hydrogen technology into their energy portfolio and supply chains. Metal hydrides have received much interest over the past several decades, which is obvious from a previous related Special Issue published in *Inorganics*: "[Functional Materials Based on Metal Hydrides](#)". The aim of this Special Issue of *Inorganics*, entitled 'State-of-the-Art and Progress in Metal-Hydrogen Systems', is to inspire continued research within this important class of materials, in particular for energy-related applications. This Special Issue also serves as a collection of contributions presented at the [International Symposium on Metal-Hydrogen Systems](#), held in Perth, Western Australia, 30 October – 4 November 2022. This meeting, MH2022, is the 17th meeting in a distinguished series of conferences dating back to 1968.

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### Guest Editors

Dr. Terry Humphries

Prof. Dr. Craig Buckley

Prof. Dr. Mark Paskevicius

Prof. Dr. Torben R. Jensen

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### Deadline for manuscript submissions

closed (31 October 2023)



## Inorganics

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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. 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.

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### Editor-in-Chief

Prof. Dr. Duncan H. Gregory

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