

Special Issue

Insights into Metalloenzymes and Bioinspired Complexes for Small Molecule Activation

Message from the Guest Editor

This Special Issue, "Iron complexes as models of [FeFe] hydrogenases", aims to cover recent developments in the field of these bioinspired molecules, from their synthesis and characterization to their redox behavior and reactivity. It is also open to contributions on NiFe heterobimetallic complexes related to the [NiFe] hydrogenases.

Keywords:

- iron complexes
- proton and electron transfer
- activation of small molecules
- metal-ligand cooperativities
- synthesis and reactivity
- electrochemistry
- catalytic activity
- mechanism determination
- structure-reactivity relationship

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. 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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Prof. Dr. Duncan H. Gregory

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