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Design Strategies for Metal Complexes that Activate Bio-Related Small Molecules

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Message from the Guest Editors

Dear Colleagues,

In living organisms, there are many metalloenzymes that activate biologically active small molecules such as hydrogen, oxygen, nitrogen, methane, and carbon dioxide. Currently, the structures and functions of many of these enzymes are being clarified by excellent structural and spectroscopic analysis methods. At the same time, research is being conducted to mimic the structure and function of these enzymes using metal complexes, and to develop catalysts that can function under environmental-friendly conditions in order to contribute to our lives in the future. In this special issue, as a message to future bioinorganic chemists and catalysis researchers, we invite papers on design strategies of metals and ligands focusing on the activation of small molecules from many researchers, in this case, oxygen and nitrogen.

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Message from the Editor-in-Chief

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