Special Issue

Structure and Properties of Atomically Precise Metal Clusters

Message from the Guest Editors

Atomically precise metal clusters have emerged as an active frontier in inorganic and materials chemistry due to their well-defined compositions, discrete electronic structures and molecular-like behavior. Positioned at the interface between coordination complexes and nanoscale materials, these metal clusters provide a unique platform for understanding how atomic-level structural features dictate optical, electronic, chiroptical properties as well as chemical and catalytic reactivity. We are pleased to invite you to contribute to this Special Issue.

This Special Issue aims to highlight recent developments in the structures and physicochemical properties and functional behaviors of atomically precise metal clusters, covering the synthesis, characterization and theoretical investigation of atomically precise metal clusters. We welcome studies that advance the fundamental understanding of structure–property relationships in metal clusters and elucidate their emerging functional roles. The overarching goal is to assemble a collection of contributions that captures the current landscape and outlines future directions in atomically precise metal cluster science.

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Deadline for manuscript submissions

30 September 2026

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 5.3

mdpi.com/si/263754

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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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