Special Issue

Gold Complexes

Message from the Guest Editors

During the last two decades, the chemistry of gold(I) complexes has attracted increasing attention. In particular, growing attention on their photophysical properties has been observed due to their potential applications in a wide variety of different research fields, such as photonic devices, nanomaterials, photoenergy storage, nonlinear optical responsive systems, and biological active species. The strong relativistic effects possessed by gold make it unique and are in the basis of the observation of weak aurophilic interactions between gold centers, which have attracted a growing attention and accelerated the development of gold(I) chemistry. Because of a similarity of magnitude between aurophilic interactions and hydrogen bonds, aurophilicity plays a key role in molecular aggregation in both solid state and solution. This Special Issue is focused on trying to highlight the wide range of applications of gold(I) complexes, mainly within organometallic chemistry. This will also serve as a way of opening up new strategies and collaborations between researchers in the field.

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Deadline for manuscript submissions

closed (15 January 2021)

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/20906

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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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