Special Issue

Organometallic Pincer Chemistry

Message from the Guest Editor

Our perspective on the role of ligands in coordination and organometallic chemistry has substantially changed in the last few decades as we have been able to recognize ligand contributions beyond stereo-electronic influence. Hemilabile groups, hydrogen-bonding sources, lone electron pairs, unsaturated moieties, extended π systems, etc., are nowadays intentionally installed in ligands to help bond cleavage and formation in reagents, to combat odd-electron chemistry in base metal complexes, to favor supramolecular organization, etc. Pincer ligands, which are tridentate and expected to coordinate predominantly in the meridional fashion, are not alien to such ligand design developments. On the contrary, they have emerged as ideal scaffolds to incorporate functional gadgets at predictable distances and orientations relative to metal centers, also providing exceptional stabilities. Aimed at showcasing present and possible directions in the design of such compounds, this Special Issue focuses on research and review articles featuring pincer organometallic complexes and their catalytic, optical, medical, or material science applications.

Guest Editor

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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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