Special Issue

Ligand Design in Metal Chemistry: Reactivity and Catalysis

Message from the Guest Editors

Ligand design in organometallic and coordination chemistry represents a key point and one of the best ways for tuning properties of transition metal and lanthanide complexes. Within the aim of developing novel homogeneous catalysts and efficient processes, a great effort has to be devoted to sustainable objectives exploiting 3*d* transition metal reactivity and looking forward green transformation aimed to close life cycles. Ligand design plays also a fundamental role in filling the gap between homogeneous and heterogeneous catalysis toward the development of insoluble single-site supported catalysts. This Special Issue aims to collect original research papers as well as reviews able to advance the knowledge in the rational design of ligands and their metal complexes, together with the study of the resulting reactivity and catalytic properties. Union between experimental and theoretical approaches are also welcome for this Special Issue.

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