

Special Issue

Transition Metal Complexes as Catalysts

Message from the Guest Editors

Due to their high activity and diverse characteristics, transition metal coordination compounds hold a unique place among organic chemistry catalysts, and because of their broad reactivity in facilitating numerous chemical transformations, transition metal catalysts have become widely used as valuable tools in current synthetic organic chemistry. The design of a coordination compound's (catalyst's) structure is critical for its catalytic applications. Despite significant advances in understanding structure–property relationships and the invention of several synthetic techniques, the catalytic parameters of many reactions are far from perfect, particularly in the realm of fine chemistry.

This Entry Collection is, therefore, devoted to the applications of transition metal complexes as well as the investigation of their structural and dynamic features in catalysis. Submissions to this Special Issue on "Transition Metal Complexes as Catalysts" are encouraged in the form of original research papers or short reviews reflecting the state of the field's research.

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