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Iridium Complexes

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

For a long period of time, intensive studies have been conducted on iridium complexes. Recently, stoichiometric reactions involving iridium complexes, such as C–H and C–C bond cleavage, have been studied by many researchers and greatly helped to deepen the basic understanding of extremely difficult substrate conversion reactions.

Lately, studies that consider iridium complex as a functional material have vigorously progressed. For example, iridium complexes have attracted significant interest as light emitting materials. Some known complexes have already been developed to a practical level. Furthermore, the catalytic chemistry of iridium complexes is currently in the developmental phase; not only utilizations in conventional hydrogenation reactions, but also a number of publications on new catalytic systems for C–H borylation, allylic substitution, dehydrogenative oxidation of organic substrates, etc. have been appeared.

In this Special Issue, we intend to reveal new functions of iridium complexes and to perform studies for future development.

Prof. Dr. Ken-ichi Fujita
Guest Editor

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Message from the Editor-in-Chief

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.

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