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Design, Synthesis, and Catalytic Applications of Metal Complexes

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Metal complexes with sterically demanding ligands have long shown great potential for application in a wide range of fields, especially in catalysis. The synthesis and characterization of these challenging molecules with unique features have helped to elucidate catalytic processes for optimizing the catalysts. Metal complexes as molecular catalysts have the advantage of synthetic control over steric and electronic properties in the vicinity of the active sites. In recent years, researchers have moved towards exploiting these highly reactive complexes to achieve a range of catalysis in OER, HER, CO₂RR, NRR, water splitting, etc.

This Special Issue presents research on the chemistry of metal complexes, as well as other metal-based materials relevant to catalysis in various fields.

Dr. Mei Wang
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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