

Special Issue

Design, Synthesis, and Catalytic Applications of Metal Complexes

Message from the Guest Editor

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.

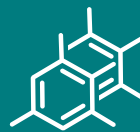
Guest Editor

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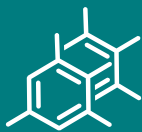


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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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