



Advanced Ligands for Coordination Chemistry

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Message from the Guest Editor

Coordination chemistry is a huge and very important field in modern chemical science. Coordination compounds are integral in modern catalytic transformations, material science, separation technologies, biological processes, and other fields. In principle, the classical coordination compound consists of two parts: the metal cation and the ligand(s). The Periodic Table displays a restricted amount of metals. In contrast, the design and synthesis of new ligands have established new frontiers in coordination chemistry. Therefore, this Special Issue focuses on the ligands used for coordination chemistry. All fundamental or practically oriented aspects of this field within this Special Issue include the design, synthesis, and study of coordination properties of ligands; their use for separation techniques; the photo-physical properties of ligands and their complexes; and many others. All colleagues active in this field are invited to contribute to this Special Issue by presenting original papers or short reviews in the field.





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Message from the Editor-in-Chief

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