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Advanced Coordination Polymers

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Message from the Guest Editor

The field of coordination polymers has been growing during the last decades, because of the enormous variety of interesting molecular topologies they present, often unprecedented in inorganic compounds and in minerals, and of their excellent properties with promising applications in gas storage, gas/vapor separation, size-, shape-, and enantio-selective catalysis, luminescent and fluorescent materials, and drug storage and delivery. The framework topologies are primarily dependent upon the structural features of the building block units, i.e., the coordination preferences of the metals and/or metal clusters serving as nodes and the functionality of the organic ligands serving as spacers. The chemical and structural diversity of coordination polymers is also dependent upon various chemical factors, such as temperature, pH, reaction solvent, template effects, role of the counteranion as a coordinating or not-coordinating building-block, etc.

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Message from the Editor-in-Chief

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