Special Issue

Magnetic Coordination Polymers

Message from the Guest Editor

Coordination polymers with various dimensionalities are of high interest in molecular magnetism. One-dimensional coordination polymers may behave as single-chain magnets or chains of single-molecule magnets; two-dimensional coordination polymers can also exhibit slow relaxation of the magnetization phenomena (layers of single-chain magnets); three-dimensional coordination polymers have been intensively investigated in the search for molecule-based magnets and are very topical, particularly, when magnetic properties are combined with other properties (porosity, luminescence, sensing of various molecules with modulation of the magnetic behavior). Numerous spin-crossover materials are coordination polymers. All these goals stimulate the development of new synthetic approaches leading to a very rich structural variety of homo- and hetero-metallic networks. Consequently, we consider that a Special Issue dedicated to coordination polymers and their relevance in molecular magnetism is welcome.

- Magnetic coordination polymers
- single-chain magnets
- single-molecule magnets
- 3D molecule-based magnets
- spin-crossover complexes.

Guest Editor

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Message from the Editor-in-Chief

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