Special Issue

Polymers in Inorganic Chemistry: Synthesis and Applications

Message from the Guest Editor

This Special Issue titled "Polymers in Inorganic Chemistry: Synthesis and Applications" aims to explore the exciting interplay between inorganic chemistry and polymeric materials, with a particular emphasis on the molecular spin crossover phenomenon, polynuclear coordination complexes, and metal–organic frameworks (MOFs). Molecular spin crossover complexes offer unique opportunities for developing smart materials with reversible spin state transitions, enabling responsive functionalities in polymers. Polynuclear coordination complexes, when integrated into polymer matrices, can provide enhanced functionalities for applications in catalysis, sensing, and data storage. MOFs, known for their high surface areas and tunable porosity, significantly enhance the performance of polymers in gas storage, separation, and drug delivery. This Special Issue invites contributions that delve into the synthesis, characterization, and application of these advanced materials, fostering interdisciplinary collaboration among chemists, materials scientists, and engineers to push the boundaries of polymeric materials through inorganic chemistry.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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