Special Issue

Preparation and Application of Energetic Polymers

Message from the Guest Editor

This Special Issue aims to compile the latest research findings in the field of energetic polymers, including the controlled synthesis of energetic polymers, which aims to achieve precise control over their molecular structure, molecular weight, and topology; the structural characterization and performance studies of energetic polymers, to reveal their microstructure, thermodynamic properties, and mechanical properties, and through the combination of experimental and simulation methods, to deeply explore the intrinsic relationships between structure and performance; application studies of energetic polymers, which encourage the exploration of new applications in fields such as propulsion, explosives, energy, medicine, and safety, and to focus on their performance and safety characteristics in different application scenarios; and theoretical simulation and computation, which is based on computational chemistry, molecular dynamics, and finite element analysis to simulate and predict the structure, properties, and reaction processes of energetic polymers, providing theoretical guidance for experimental studies.

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 4.7.

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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