Special Issue

Polymer Dynamics: Bulk and Nanoconfined Polymers

Message from the Guest Editor

Relaxation phenomena of polymer molecules in the melt and solution states generally include complicated molecular processes, which arise from segmental connectivity and flexibility of chain molecules. One of the most characteristic features in supercooled polymeric systems is cooperativity in dynamics, it makes the dynamics of polymers be more complex. Although various efforts have been done to elucidate them, the molecular mechanism of polymer dynamics still remains unrevealed; in particular, understanding the relaxation processes based on chemical structures and molecular architectures is a long-standing issue in this field. Furthermore, anomalous dynamics in nanoconfined systems such as ultrathin films and nanoparticles have attracted much attention. This Special Issue aims to collect papers that concern polymer dynamics including segmental dynamics in polymer melts, solutions, and nanoconfined systems for both synthetic and biopolymers. Papers related to the structures and dynamics near surface and interface are also welcome. In addition, the formation processes of specific structures during crystallization, adsorption, elongation, and fracture are of interest.

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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