Special Issue

Dynamic Covalent Polymers: Synthesis, Characterization, and Applications

Message from the Guest Editor

Dynamic covalent bonds are ubiquitous in nature, and they are continuously being utilized in biotic settings to provide a wide range of functions, such as protein folding by reversible disulfide bonds and dynamic imine-based human vision. In the last decade, the application of dynamic covalent chemistry in the fields of polymeric materials and macrocyclic molecules has become the topic of an increasing number of studies. This is attributable to the fact that polymers containing dynamic functions possess a structure that affords recyclability, reprocessability, and peculiar self-healing properties inconceivable in traditional polymer networks. This Special Issue covers developments in the synthesis, characterization, and applications of dynamic covalent macrocycles and polymers.

Guest Editor

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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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