Special Issue

Recent Advances in Controlled/Living Polymerization

Message from the Guest Editor

Controlled/living radical polymerization, or as the IUPAC names it, “reversible deactivation radical polymerization” (RDRP), saw a big surge in the 1990s, therefore making it a recent area of the polymer synthetic chemistry. Since then, RDRP has becoem one of the most rapidly developing fields of the macromolecule science. Unlike traditional radical polymerization, RDRP allows for a precise control over the polymer structure, molecular weights, and composition, enabling the creation of polymers with unique and tailor-made properties. Using relatively simple techniques developed within RDRP, today, it is possible to controllably polymerize a number of monomers through living polymerization, which was problematic or impossible via ionic methodologies, thus creating new polymeric materials based on the known traditional monomers. Overall, the importance of RDRP in modern polymer science cannot be overstated, and it is expected to continue playing a crucial role in the development of new and advanced materials in the years to come.

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

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