Special Issue

RAFT Living Radical Polymerization and Self-Assembly

Message from the Guest Editor

Reversible addition-fragmentation chain transfer (RAFT) polymerization is one kind of well-established controlled/living radical polymerization (CLRP) methods (e.g., atom transfer radical polymerization, nitroxide-mediated radical polymerization, and RAFT polymerization) that exhibits numerous appealing characteristics for controlling the synthesis of a wide variety of macromolecular architectures, as well as maintaining molecular weight control, narrow molecular weight distributions, and functionality. The absence of catalysts and the ease of scaling up make RAFT one of the most versatile CLRP techniques. The use of CLRP methods has recently increased extensively in the preparation of block polymers, because using this method yields advantages such as an experimental setup, a wide range of functional monomers, and complex macromolecular architectures with well-defined end groups of narrow polydispersity in the CLRP. Amphiphilic block copolymers can form various self-assembled aggregates such as spherical micelles, vesicles, cylinders, gyroids, and lamellae through the selective interaction of the solvent with hydrophobic and hydrophilic blocks.

Guest Editor

Prof. Dr. Po-Chih Yang
Department of Chemical Engineering and Materials Science, Yuan Ze University, Taoyuan 32003, Taiwan

Deadline for manuscript submissions

closed (26 February 2018)

Polymers

an Open Access Journal by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed

mdpi.com/si/10983

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

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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
Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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