Special Issue

Photoactive Polymeric Materials

Message from the Guest Editors

Interactions of light with matter are essential for life. Inspired by light-driven natural phenomena, scientists have developed a wide range of photoactive materials to be used not only in fundamental research but also in a wide range of technological applications. The diversity of molecular functionalities of polymers, and their attractive properties and macromolecular structures, encourage the design and synthesis of different classes of polymeric materials with light-triggered and improved performances. Photoactive polymeric materials attract great attention, owing to their emerging applications in solar energy conversion, photonics, optoelectronics, biomedical applications, light driven degradation of water and gas-phase pollutants, and other growing fields. Still, some challenges remain regarding their stability, biocompatibility, and cost efficiency. This Special Issue aims to cover the most recent and engaging topics on photoactive polymers/polymeric materials with focus on their preparation, characterization, properties, and applications. Submissions in the form of full-length articles, communications, and reviews are invited.

Guest Editors

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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 4.9.

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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