Special Issue

Photon/Energetic Particle-Assisted Remote and Localized Control of Polymer-Based Soft and Hybrid Materials

Message from the Guest Editor

In recent decades, controlled molecular and nanostructures of emerging soft and hybrid materials are of great interest for developing high-performance electronic devices such as solar cells, displays, memories, and sensors. Since these electronic devices often consist of soft and hybrid materials, conventional techniques based on conduction and convection heating, as well solvent vapor annealing, in which constituent layers are exposed to the heat and/or solvent source, are seldom desirable. Recent advances in photon-assisted techniques based on photothermal conversion as well as energetic particle-assisted controls allow for such a localized modification of nanostructures of the emerging materials for achieving a high performance. This Special Issue aims to provide a comprehensive information of the state-of-the-art photon/energetic particle-assisted technologies used to control the nanostructures of emerging polymer-based soft and hybrid materials, including self-assembled block copolymers, organic–inorganic halide perovskites, MOFs, and nanocomposites with a variety of low-dimensional nanomaterials of carbon nanotubes, graphenes, transition metal dichalcogenides, etc.

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 4.7.

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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