Special Issue

Self-Healing Polymers for Electrical Energy Storage and Conversion

Message from the Guest Editors

Polymers that can self-heal damage or defects have attracted significant interest in recent years due to their potential applications in various industries. For electrical energy storage and conversion devices, such as batteries, supercapacitors, triboelectric nanogenerators, and solar cells, self-healing polymers can be used to address challenges around improving device lifetime, safety, and sustainability. For this Special Issue, we welcome submissions (in the form original research, reviews, and perspective articles) on the design, synthesis, characterization, and application of self-healing polymers for electrochemical energy storage and conversion. Articles on interdisciplinary and innovative research that bridge fundamental chemistry, materials science, and device engineering are especially appreciated. Both experimental and theoretical/simulation studies are welcome.

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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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