Special Issue

Polymers in Energy Storage Devices

Message from the Guest Editor

‘Affordable and Clean Energy’ and ‘Sustainable Cities and Communities’ are two of the Sustainable Development Goals which society has currently set as priorities. To meet these objectives, the development of green, cost-effective, highly efficient energy storage systems is required. Among these systems, wearable devices are of great interest since they can be self-recharging devices that would reduce power consumption. Polymers constitute cheap, lightweight, and environmentally friendly materials. They are key components for the achievement of functional, enduring, and flexible devices able to reach the commercial stage. The combination of polymers with carbon-based materials, metal oxides, metal sulfides, metal hydroxides, or MXenes can lead to hybrid materials with enhanced performance for energy storage applications. Conducting polymers could become an alternative to ITO as robust, low-cost, flexible transparent electrodes in solar cells. Polymeric films can be used as encapsulation layers to protect the doping level or to act as anti-degradation layer of other components of the device.

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

Prof. Dr. Alexander Böker
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