

Topical Collection

Polymers for Electrical and Optical Applications

Message from the Collection Editors

Since the advent of polymers with advanced electrical and optical properties, polymers have become an appealing material for components of state-of-the-art optoelectronic devices, such as organic or hybrid semiconductor-based electronic devices. Specifically, organic/polymeric materials-based devices have the potential to provide a solution to present energy issues and fulfills our future needs of realizing large surface area, lightweight, and high flexibility through low-cost techniques.

In order to improve the performance of polymer-based solar cells/photodetectors/hybrid applications, many strategies have been introduced such as: (1) synthesizing electron donor and acceptor materials with a wide absorption range; (2) controlling the nano-morphology; (3) efficient buffer layers; (4) flexible conductive electrodes; and (5) development of new device structures and (6) nanotechnologies, etc.

The aim is to highlight the progress and phenomena related to organic electronic devices such as photovoltaic cells, photo-sensors, thin film transistors, and light-emitting diodes, etc.

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Collection 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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