Special Issue

Polymers and Hybrid Materials for Energy Conversion and Storage

Message from the Guest Editors

In recent years, hydrogen is regarded as an ideal energy carrier for the hydrogen economy that could replace the current hydrocarbon economy in order to achieve global energy security and mitigate climate change. For this purpose, H2 has to be produced from renewable sources without producing global-warming CO2. Photo/electrolysis of water into H2 is one of the promising technologies for the production of renewable H2, which requires photo/electrocatalysts of high efficiency, chemical robustness, and scalability. So far, most studies have focused on metal oxide-based photo/electrocatalysts (TiO2, NiO, Co3O4). However, there are few studies on polymer and hybrid materials-based photo/electrocatalysts for water splitting, which is very necessary for any practical application in the future. Contributions to this Special Issue should report on polymers and hybrid materials for energy conversion and storage. Research articles, reviews, and short communication are welcome.

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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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