Special Issue

Polymeric Materials for Fuel Cell Applications

Message from the Guest Editor

Fuel cells are one of the most promising zero-emission energy conversion technologies. Researchers have made great efforts in fuel cell development, but the high cost of components and the reduced lifetime have limited the use of these devices. Polymeric materials contained in the membrane electrode assembly (MEA) are an object of study by the scientific community. Micro-phase separated ion-containing polymers called ionomers are extensively studied materials and several strategies of synthesis have been explored to increase their ion conductivity maintaining, at the same time, a low cost. Their structures are tailored to also meet also some fundamental requirements such as chemical, thermal, and mechanical stability, low permeability to reactants, and long durability. This Special Issue of *Polymers* will present the state-of-the-art in synthesis, characterizations, and applications of ionomers in fuel cells. Considering your prominent contribution to this research field, I would like to cordially invite you to submit a paper to this Special Issue; original full articles, communications, and reviews are welcome.

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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