

Special Issue

Polymer Electrolytes for Batteries

Message from the Guest Editor

This Special Issue on Polymer Electrolytes for Batteries is devoted to the dissemination of high-quality original research articles or comprehensive reviews on cutting-edge development in this interdisciplinary field. As the key component for electrochemical reactions, polymer electrolytes have been driven by scientific breakthroughs in batteries. The research of new materials and structures for polymer electrolytes, as well as advanced testing techniques for polymer electrolytes during battery operation, have become hot topics, with the aim of improving the reliability and durability of batteries in various applications, like automotive, power energy storage stations, etc. With the focus on polymer electrolyte for batteries, potential topics include but are not limited to the following:

- Design, Synthesis and Analysis of polymeric electrolyte materials for batteries;
- Physics of polymeric electrolyte materials for batteries;
- Theory and simulation of polymer electrolytes in batteries;
- Advanced testing techniques for polymer electrolyte properties during battery operation;
- Performance evaluation of polymer electrolytes in batteries.

Guest Editor

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About the Journal

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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