Special Issue

Recent Progress on Polymer Electrolytes for Solar Cells and Supercapacitors

Message from the Guest Editors

Polymer electrolytes play a pivotal role in increasing their efficiencies. Energy storage is also a challenge. Electrochemical energy storage systems such as supercapacitors are quite popular, but modern research focuses on increasing their charge storage capacity. However, to ensure uninterrupted power supply, highly efficient supercapacitors should be integrated. The role of polymer electrolytes greatly influences the performance of solar cells and supercapacitors. Therefore, developing new polymer-based electrolytes is needed. This Special Issue aims to promote and attract the recent advances in polymer electrolytes, and to discuss their synthesis, performance and stability studies in solar cells and supercapacitors. Research papers on areas including but not limited to the following are welcome:

- Polymer and composite polymer electrolytes: fundamentals, synthesis and their characterization for renewable energy resources
- Polymer-electrolyte-based solar cells
- Polymer electrolytes for supercapacitors
- Composite polymer electrolytes for energy harvesting and energy storage devices.

Guest 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 4.7.

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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